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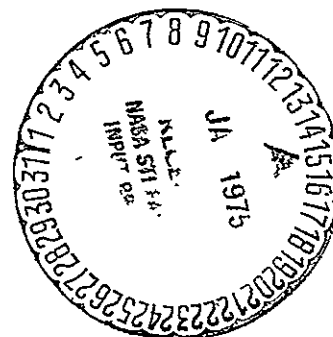
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

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SUBSONIC AND TRANSONIC HINGE MOMENT AND
WING BENDING/TORSION CHARACTERISTICS OF .015'
SCALE SPACE SHUTTLE MODELS 49-O AND 67-TS IN THE
ROCKWELL INTERNATIONAL TRANSONIC WIND TUNNEL (IA70)

By

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Prepared under NASA Contract Number NAS9-13247

By

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New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
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WIND TUNNEL TEST SPECIFICS:

Test Number: Rockwell Trisonic - 282
NASA Series Number: IA70
Model Numbers: 49-0, 67-TS
Test Dates: 3 through 24 May 1974
Occupancy Hours: 161

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SUBSONIC AND TRANSONIC HINGE MOMENT AND
WING BENDING/TORSION CHARACTERISTICS OF .015
SCALE SPACE SHUTTLE MODELS 49-0 AND 67-TS IN THE
ROCKWELL INTERNATIONAL TRISONIC WIND TUNNEL (IA70)

By

M. T. Hughes and R. C. Mennell
Rockwell International Space Division

ABSTRACT

Experimental aerodynamic investigations were conducted on an 0.015-scale representation of the VL70-000140A/B Integrated Space Shuttle Launch Vehicle in the Rockwell International Trisonic Wind Tunnel from 3 May 1974 to 24 May 1974. The primary test objective was to obtain subsonic and transonic elevon and bodyflap hinge moments and wing bending-torsion moments in the presence of the launch vehicle. Wing pressures (42) were also recorded for the upper and lower right wing surfaces at two spanwise stations ($\eta = 0.436$ and 0.771).

The hinge moment, wing bending/torsion moments and wing pressure data were recorded over an angle-of-attack (α) range from -8° to $+8^\circ$, an angle-of-sideslip (β) range from -8° to $+8^\circ$ and at Mach numbers of 0.90, 1.12, 1.24 and 1.50. The Reynolds number for all Mach numbers was approximately $7.0 \times 10^6/\text{foot}$.

Outboard elevon deflections of 0° , $\pm 4^\circ$ and $\pm 8^\circ$; inboard elevon deflections of 0° , $+4^\circ$, $+8^\circ$ and $+12^\circ$; and bodyflap deflections of 0° and

+10° were tested over the entire Mach number range.

Tests were also conducted to determine the effects of the Orbiter rear attach cross beam and the forward attach wedge and strut diameter. The Orbiter alone was tested at 0.90 and 1.24 Mach number only.

For both the Orbiter alone and integrated configurations the models were sting mounted on a dummy 1.5-inch Task MK XXVII balance pinned in the Orbiter.

This report consists of three volumes arranged in the following manner:

- Volume 1 - Plotted and tabulated force data
 - Plotted pressure data - Figures 25 and 26
- Volume 2 - Plotted pressure data - Figures 27 through 32
- Volume 3 - Tabulated pressure data

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SCHEDULE OF COEFFICIENTS PLOTTED:

- (A) CHEO, CHEI, CHBF, CBW, CTW versus ALPHA
- (B) CHEO, CHEI, CHBF, CBW, CTW versus ALPHA
CHEO, CHEI versus ELV-LI
- (C) CHEO, CHEI, CHBF, CBW, CTW versus ALPHA
CHEO, CHEI versus ELV-LO
- (D) CHEO, CHEI, CHBF, CBW, CTW versus ALPHA
CHBF versus BFLAP
- (E) CP, DCP versus X/C

NOMENCLATURE
General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³
<u>Reference & C.G. Definitions</u>		
A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$ _{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis
<u>SUBSCRIPTS</u>		
b		base
l		local
s		static conditions
t		total conditions
∞		free stream

NOMENCLATURE (Continued)
Additions to Standard Listing

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Description</u>
a_m		distance from m_1 to m_2 gage, in
B_W		wing panel bending moment, in-lbs
C_{BF}		bodyflap reference chord, in
C_e		elevon reference chord, in
C_{B_W}	CBW	wing bending moment coefficient
$C_{h_{eI}}$	CHEI	inboard elevon hinge moment coefficient
$C_{h_{eO}}$	CHEO	outboard elevon hinge moment coefficient
$C_{h_{eT}}$	CHET	total elevon hinge moment coefficient
$C_{h_{BF}}$	CHBF	bodyflap hinge moment coefficient
C_{T_W}	CTW	wing torsion moment coefficient
C_p	CP	local pressure coefficient
$C_{p_{LE}}$	CPLE	wing leading edge pressure coefficient
$C_{p_{WL}}$	CPWL	wing lower surface pressure coefficient
$C_{p_{WU}}$	CPWU	wing upper surface pressure coefficient
C_{p_T}	DCP	total (differential) wing pressure coefficient, (upper - lower).
d'		distance from m_2 to exposed wing root chord, in

NOMENCLATURE (Continued)
Additions to Standard Listing

e_m		distance from m_3 to torsion reference center, in
H_{BF}		bodyflap hinge moment, in-lb
H_{eI}		inboard elevon hinge moment, in-lb
H_{eO}		outboard elevon hinge moment, in-lb
m_i		wing bending gage moment at station i, in-lb
N_W		wing panel normal force, lbs
P_{WLE}		wing leading edge pressure, psi
P_{WL}		wing lower surface pressure, psi
P_{WU}		wing upper surface pressure, psi
S_{BF}		bodyflap reference area, ft ²
S_e		elevon reference area, ft ²
T_W		wing panel torsion moment, in-lb
x/c	X/C	chord wise location, fraction of local chord
$2Y/b, \eta$	$2Y/B$	spanwise location, fraction of wing span
$\delta_{eOL}, \delta_{e1}$	ELV-1 ELV-LO	lefthand outboard elevon deflection angle, deg
$\delta_{eIL}, \delta_{e2}$	ELV-2 ELV-LI	lefthand inboard elevon deflection angle, deg
$\delta_{eIR}, \delta_{e3}$	ELV-3 ELV-RI	right-hand inboard elevon deflection angle, deg

NOMENCLATURE (Concluded)
Additions to Standard Listing

δ_{e0R} , δ_{e4}	ELV-4 ELV-R0	righthand outboard elevon deflection angle, deg
δ_{eI}	DEI	inboard elevon deflection angle, average of left and right inboard panels, deg
δ_{e0}	DE0	outboard elevon deflection angle, average of left and right outboard panels, deg
δ_{BF}	BFLAP	bodyflap deflection angle, deg

CONFIGURATIONS INVESTIGATED

The model used for this test period was an 0.015-scale representation of the Rockwell International VL70-000140A/B Space Shuttle Orbiter and Integrated Launch Vehicle. The Orbiter model was of the blended wing-body design with double delta wing planform ($75^\circ/45^\circ \Lambda_{LE}$), full span split elevons with unswept hingeline, centerline vertical tail with rudder/speed-brake capability, fuselage canopy and orbital maneuvering system (OMS pods) mounted on the aft fuselage sidewalls. The elevon panels were segmented into inboard and outboard panels at $Y_O = 312.50$. Each panel was capable of independent deflection. Both of the left hand elevon panels and the body-flap were instrumented with hinge moment beams. The right hand wing panel was instrumented with two wing bending gages and a wing torsion gage.

The right hand wing panel was also instrumented with 42 upper and lower wing surface pressures at two spanwise locations. The inboard station was at $Y_O = 204$ ($\eta = 0.436$) and had 25 pressures while the outboard was at 361 ($\eta = 0.771$) and had 17 pressures.

The external tank (ET), solid rocket boosters (SRB), attach hardware, ventlines and simulated fairings were constructed of aluminum and 17-4 steel. No pressures or forces were recorded on these components.

The forward attach fairing or wedge was removable as was the rear attach crossbeam. The forward wedge covered a 33.3-inch diameter strut which attached the Orbiter to the ET. A later strut configuration which was tested was only 11.3 inches in diameter.

CONFIGURATIONS INVESTIGATED (Continued)

The following letter/number designations were used to describe the Orbiter and integrated launch vehicle configurations:

<u>Symbol</u>	<u>Definition</u>
O ₁	Orbiter, B ₂₆ C ₉ M ₇ F ₇ W ₁₁₆ E ₃₇ V ₈ R ₅
T ₁₂	External tank (ET)
S ₁	Solid Rocket boosters (SRB), S ₁₂ N ₄₁
P ₂	SRB fairings, PS ₁ , PS ₂ and PS ₃
P ₈	ET Components and Fairings - PT ₁ , PT ₂ , PT ₃ , AT ₉ , AT ₁₂ , AT ₁₃ , AT ₁₄ , AT ₂₇ , FL ₁ , FL ₂ , and FR ₆
P ₉	Same as P ₈ except the rear attach crossbeam (FR ₆) is removed
P ₁₀	Same as P ₈ except the forward attach wedge (AT ₂₇) fairing is removed exposing the attach strut (AT ₁₅) and FR ₆ is installed
P ₁₁	Same as P ₉ except the diameter of the forward attach strut (AT ₁₅) is reduced to 0.170 inches (model scale)

The following letter/number designations describe the individual configuration components:

<u>Symbol</u>	<u>Definition</u>
AT ₉	Attach structure-rear SRB/ET per Rockwell Lines VL72-000106, Model dwg. SS-A01168
AT ₁₂	Attach structure-left rear ORB/ET per Rockwell Lines VL78-000050, Model dwg. SS-A01167
AT ₁₃	Attach structure-right rear ORB/ET per Rockwell Lines VL78-000050, Model dwg. SS-A01167
AT ₁₄	Attach structure-front SRB/ET per Rockwell Lines VL77-000051A, Model dwg. SS-A01168

CONFIGURATIONS INVESTIGATED (Continued)

AT ₁₅	Attach structure-front ORB/ET per Model drawing SS-A01166-4, 33.3 inch diameter
AT ₂₇	Attach structure-front ORB/ET per Model dwg. SS-A001255, includes AT ₁₅ plus wedge fairing
B ₂₆	Orbiter fuselage per Rockwell Lines VL70-000140A/B, Model dwg. SS-A00147
C ₉	Orbiter canopy per Rockwell Lines VL70-000140A/B, Model dwg. SS-A00147
E ₃₇	Orbiter full span, unswept hingeline, Grumman gapped elevons per Rockwell Lines VL70-000200, Model dwg. SS-A01256, SS-A00148
F ₇	Orbiter body flap per Rockwell Lines VL70-000200, Model dwg. SS-A01256, SS-A00147
FL ₁	ET/ORB. LOX feedline per Rockwell Lines VL78-000050, Model dwg. SS-A01167
FL ₂	ET/ORB. LH ₂ feedline per Rockwell Lines VL78-000050, Model dwg. SS-A01167
FR ₆	ET/ORB rear attach structure cross member per Rockwell Lines VL78-000062B, Model drawing SS-A01256
M ₇	Orbiter OMS/RCS pods per Rockwell Lines VL70-000145 Model dwg. SS-A00147
N ₂₈	Orbiter OMS engine nozzles per Rockwell Lines VL70-000145, Model dwg. SS-A00147
N ₄₁	SRB engine nozzles per Rockwell Lines VL77-000036A, Model dwg. SS-A01168
PS ₁	SRB electrical tunnel fairing per Rockwell Lines VL77-000036A, Model dwg. SS-A01168
PS ₂	SRB attach ring per Rockwell Lines VL77-000036A, Model dwg. SS-A01168
PS ₃	SRB separation rocket fairing per Rockwell Lines VL77-000036A, Model dwg. SS-A01168

CONFIGURATIONS INVESTIGATED (Concluded)

PT ₁	ET ₁₂ LOX ventline fairing per Rockwell Lines VL78-000031A, Model dwg. SS-A01167
PT ₂	ET ₁₂ LOX feedline per Rockwell Lines VL78-000031A, Model dwg. SS-A01167
PT ₃	ET ₁₂ LH ₂ feedline per Rockwell Lines VL78-000031A, Model dwg. SS-A01167
R ₅	Orbiter rudder per Rockwell Lines VL70-000146A, Model dwg. SS-A00115
S ₁₂	SRB per Rockwell Lines VL77-000036A, Model dwg. SS-A01167
T ₁₂	ET per Rockwell Lines VL78-000041B, Model dwg. SS-A01167
V ₈	Orbiter centerline vertical tail per Rockwell Lines VL70-000146A, Model dwg. SS-A00148
W ₁₁₆	Orbiter double delta wing per Rockwell Lines VL70-000200, Model dwg. SS-A00148

TEST FACILITY DESCRIPTION

The Rockwell International Trisonic Wind Tunnel is an intermittent blow down facility with a 7' x 7' tandem test section capable of testing force, duct, pressure, and flutter models at Mach numbers from 0.1 to 3.5.

Two synchronous motor-driven centrifugal compressors, operating in series, supply dry air at a rate of 40 lb/sec. to eight storage spheres having a total volume of 214,000 cu. feet. The air is dried to a moisture content of .0001 lb. or less of water per lb. of dry air (approx. -35°F dew-point) and stored at a pressure of ten atmospheres. Flow from the air storage spheres is regulated by a servo controlled valve. The eight foot diameter valve opens within two seconds to control and stabilize the settling chamber at a preselected pressure.

Downstream of the settling chamber is a fixed nozzle which provides a transition from the circular cross-section of the settling chamber to the rectangular cross-section of the variable nozzle. Two seven foot wide steel plates, supported between parallel walls by hydraulic jacks, form the floor and ceiling of the flexible nozzle section. Changes in nozzle contours to produce variations in Mach number are accomplished by means of these jacks and require 30 to 40 minutes to complete.

Two test sections, for supersonic, transonic, and subsonic testing are 7 ft. wide by 7 ft. high and are permanently installed in a tandem arrangement. The standard supersonic test section (for testing at Mach numbers greater than 1.3) is in the downstream end of the flexible nozzle. The test section for subsonic and transonic operation is located downstream

TEST FACILITY DESCRIPTION (Concluded)

in the porous wall area. An access door to the test area is located in the variable diffuser.

The variable diffuser downstream of the porous wall area may be adjusted to provide subsonic Mach number control, to generate transonic Mach numbers, and to minimize start time for supersonic testing with models having high tunnel blockage:

An equivalent 5° conical expansion angle is provided in a fixed diffuser which completes the basic tunnel circuit. Downstream of the diffuser is a sound abatement muffler building where the air is exhausted to the atmosphere.

DATA REDUCTION

The elevon panel hinge moments, body flap hinge moments and wing bending/torsion moments were measured by individual strain gage beams.

The data reduction procedures are as follows:

- (1) Compute inboard elevon hinge moment coefficient

$$C_{h_{eI}} = \frac{H_{eI}}{q S_e C_e}, \quad \begin{array}{ll} H_{eI} &= \text{inboard hinge moment, in-lbs} \\ q &= \text{tunnel dynamic pressure, psf} \\ S_e &= \text{elevon reference area, ft}^2 \\ C_e &= \text{elevon reference chord, inches} \end{array}$$

- (2) Compute outboard elevon hinge moment coefficient

$$C_{h_{eO}} = \frac{H_{eO}}{q S_e C_e}, \quad H_{eO} = \text{outboard hinge moment, in-lb}$$

- (3) Compute total elevon hinge moment coefficient

$$C_{h_{eT}} = C_{h_{eI}} + C_{h_{eO}}$$

- (4) Compute body flap hinge moment coefficient

$$C_{h_{BF}} = \frac{H_{BF}}{q S_{BF} C_{BF}}, \quad \begin{array}{ll} H_{BF} &= \text{body flap hinge moment, in-lb} \\ S_{BF} &= \text{body flap reference area, ft}^2 \\ C_{BF} &= \text{body flap reference chord, inches} \end{array}$$

- (5) Compute the right wing panel bending moment and coefficient

$$N_W = \frac{(m_1 - m_2)}{a_m}, \text{ lbs} \quad \begin{array}{ll} m_1 &= \text{inboard wing bending gage moment, in-lbs} \\ m_2 &= \text{outboard wing bending gage moment, in-lbs} \end{array}$$

DATA REDUCTION (Continued)

$$B_W = m_2 + N_W (d), \text{ in-lbs} \quad S_W = \text{wing reference area, ft}^2$$

$$C_{B_W} = \frac{B_W}{q S_W B_{REF}} \quad B_{REF} = \text{wing span, inches}$$

$$a_m = \text{distance from } m_1 \text{ to } m_2 \text{ gage, inches}$$

$$d = \text{distance from } m_2 \text{ to exposed wing root chord, inches}$$

- (6) Compute the right wing panel torsion moment and coefficient

$$T_W = m_3, \text{ in-lbs} \quad m_3 = \text{wing torsion gage moment, in-lbs}$$

$$T_{W1307} = T_W + N_W (e_m) \quad e_m = \text{distance from } m_3 \text{ to torsion reference center } (X_0 = 1307), \text{ inches}$$

$$C_{T_{W1307}} = \frac{T_{W1307}}{q S_W \bar{c}} \quad \bar{c} = \text{wing reference chord, inches}$$

- (7) Compute right wing panel leading edge, upper surface, lower surface and net pressure coefficients for the inboard chord-wise location ($\eta = 0.436$)

$$C_{P_{LEi}} = \frac{P_{W_{LEi}} - P_o}{q} \quad i = 1$$

$$C_{P_{WUi}} = \frac{P_{W_{Ui}} - P_o}{q} \quad i = 2 \rightarrow 13$$

$$C_{P_{WLi}} = \frac{P_{W_{Li}} - P_o}{q} \quad i = 14 \rightarrow 25$$

$$C_{P_{Ti}} = C_{P_{WUi}} - C_{P_{WLi}} \quad \text{e.g., } i = (2-14), (3-15), \text{ etc.}$$

- (8) Compute right wing panel leading edge, upper surface, lower surface and net pressure coefficients for the outboard chord-wise location ($\eta = 0.771$)

DATA REDUCTION (Continued)

$$C_{P_{LEi}} = \frac{P_{W_{LEi}} - P_o}{q} \quad i = 26$$

$$C_{P_{WUi}} = \frac{P_{W_{Ui}} - P_o}{q} \quad i = 27 \rightarrow 34$$

$$C_{P_{WLi}} = \frac{P_{W_{Li}} - P_o}{q} \quad i = 35 \rightarrow 42$$

$$C_{P_{Ti}} = C_{P_{WUi}} - C_{P_{WLi}} \quad \text{e.g., } i = (27-35), (28-36), \text{ etc}$$

Angle of attack and angle of yaw were corrected for sting deflection.
Gage interactions for wing bending and torsion were also applied.

The following reference dimensions and constants were used during this test:

<u>Symbol</u>	<u>Definition</u>	<u>Model Scale</u>	<u>Full Scale</u>
S_w	wing reference area, ft^2	0.6053	2690.00
B_{REF}	wing span, in	14.0502	936.68
\bar{c}	wing MAC, in	7.1220	474.80
S_e	elevon reference area, ft^2	0.0473	210.00
C_e	elevon reference chord, in	1.3605	90.70
S_{BF}	body flap reference area, ft^2	0.0304	135.60
C_{BF}	body flap reference chord, in	1.2150	81.00
L_{REFX}	Orbiter body length, in	19.355	1290.30

DATA REDUCTION (Concluded)

L_{REFY}	wing semispan, in	7.0251	468.34
Gage Constants			
a_m	distance from m_1 to m_2 , in	0.6737	-
d	distance from m_2 to exposed wing root chord, in	0.9448	-
e_m	distance from m_3 to torsion reference point, in	0.7050	-

TABLE I.

[illegible]

TABLE II:

TEST : IA 70 TWT 282				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 29 MAY 1974				
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	δe_1	δe_2	δe_3	δe_4		δBF	0.90		1.12		1.24		1.50		
RF7001	Φ_1	A	0	0	0	0	0		0	15				16				
002	$\Phi_1 T_2 S_1 P_2 P_3$				0	0				19		18		17		58		
003					+4	+4				20		21		22		59		
004					+8	+8				25		24		23		60		
005					+12	+12				26		27		28		61		
006					+4	+12	+12	+4		31		30		29		62		
007					+8	+8				32		33		34		63		
008					+8	+8				35								
009					+4	+4				36		37		38		176		
010					0	0				41		40		39				
011					+8	0	0	+8		42		43		44				
012					+4	+4				47		46		45				
013					+8	+8				48		49		50		177		
014					+12	+12				53		52		51				
015					-4	+12	+12	-4								54		
016					+8	+8										55		
017					+4	+4										56		
018					0	0										57		

1	7	13	19	25	31	37	43	49	55	61	67	73	79				
CHEX, CHEI, CHET, CHBF, CBW, CTM										MACH, ALPHA							
COEFFICIENTS										IDVAR (1)	IDVAR (2)	NDV					
α OR β SCHEDULES										$\alpha(A) = -8$ to $+8$, $\Delta\alpha = 2^\circ$				$\delta e_1 = LH OUTBD$		$\delta e_2 = LH INBD$	
* FORCE DATA IN DATASETS 1 thru 42										$\delta e_3 = RH INBD$		$\delta e_4 = RH OUTBD$					

TEST RUN NUMBERS

TABLE II. - Continued.

TEST: IA70		TWT 282		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 29 MAY 1974				
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	δe_1	δe_2	δe_3	δe_4		δBF	0.90	1.12	1.24	1.50					
RF7019	$\Phi_1 T_1 S_1 P_2 P_8$	A	0	-8	+8	+8	-8		0						64			
020				-8	+12	+12	-8								65			
021				-4	+8	+8	-4								66			
022			+8												67			
023			-4												68			
024			-8												69			
025			+8	0	+12	+12	0						71					
026			+4										164					
027			+4										163					
028			-8										70					
029			-8										162					
030			+8	+4			+4			75	72							
031			-8							74	73							
032			+8		+4	+4							170					
033			-8		+4	+4							171					
034			+8	+8	+8	+8	+8						173					
035			-8	+8	+8	+8	+8						172					
036			+8	0	0	0	0						166					
1 7 13 19 25 31 37 43 49 55 61 67 75 76																		
CHEO CHEI CHET CHBF CBW CTW MACH ALPHA																		
α OR β		$\alpha(A) = -8 \text{ to } +8, \Delta\alpha = 2^\circ$										COEFFICIENTS		IDVAR (1)		IDVAR (2)		NDV
SCHEDULES														$\delta e_1 = LH \text{ OUTBD}$		$\delta e_2 = LH \text{ INBD}$		
														$\delta e_3 = RH \text{ INBD}$		$\delta e_4 = RH \text{ OUTBD}$		

TABLE II. = Continued:

TEST: IA70 TWT_282				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 29 MAY 1974			
DATA SET IDENTIFIER	CONFIGURATION	SCHED.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)								
		α	β	δe_1	δe_2	δe_3	δe_4		δBF		0.90		1.12		1.24		1.50
RF7037	$\Phi_1 T_{12} S_1 P_2 P_8$	A	-8	0	0	0	0		0						165		
038	P ₉		0												167		
039	P ₁₀														169		
040	P ₁₁														174		
041	P ₁₁		+8										175				
042	$\Phi_1 T_{12} S_1 P_2 P_8$		0						+10						168		
043			+8						0	137	145	76	117				
044			+4							136	144	79	116				
045			0							138	143	78	115				
046			-4							139	142	80	114				
047			-8							140	141	77	113				
048			+8	+4	+4	+4	+4			94	101	132	108				
049			+4							135	100	131	109				
050			0							95	99	130	110				
051			-4							134	98	129	111				
052			-8							96	97	133	112				
053			+8	+8	+8	+8	+8			150	159	149	102				
054			+4	+8	+8	+8	+8			151	158	125	124				
1 7 13 19 25 31 37 43 49 55 61 67 75 76																	
CHE0 CHE1 CHET CHBF CBW CTW MACH ALPHA																	
α OR β COEFFICIENTS $\alpha(A) = -8 \text{ to } +8; \Delta\alpha = 2^\circ$ IDVAR (1) IDVAR (2) NDV $\delta e_1 = \text{LH OUTBD}$ $\delta e_2 = \text{LH INBD}$ $\delta e_3 = \text{RH INBD}$ $\delta e_4 = \text{RH OUTBD}$																	
SCHEDULES																	

TEST RUN NUMBERS

TABLE II. - Concluded.

TEST: IA70 TWT 282		DATA SET/RUN NUMBER COLLATION SUMMARY						DATE: 29 MAY 1974						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)					
		α	β	δe_1	δe_2	δe_3	δe_4		δe_F	0.90	1.12	1.24	1.50	
RF7055	$\Phi_1 T_{12} S_1 P_2 P_8$	A	0	+8	+8	+8	+8		0	152	157	126	103	
056			-4							153	156	128	123	
057			-8							154	155	148	104	
058			+8		+12	+12	+12			93	86	85	118	
059			+4							161	87	84	119	
060			0							92	88	83	120	
061			-4							160	89	81	121	
062			-8							91	90	82	122	
063			+8	-4	0	-4	-4						107	
064			0										106	
065			-8										105	
066	$\Phi_1 T_{12} S_1 P_2 P_9$		0	+8	+8	+8	+8					127		
067	P_9			0	0	0	0					146		
068	P_{10}			0	0	0	0					147		

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: Attach Structure AT9GENERAL DESCRIPTION: Aft SRB/ET attach structure (3 member structure)

Model Scale: 0.015

DRAWING NO: VL72-000106

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X _B	<u>1515</u>	<u>22.725</u>
		Y _B	<u>± 56</u>	<u>± .840</u>
		Z _B	<u>50</u>	<u>.750</u>
		X _T	<u>2058</u>	<u>30.870</u>
		Y _T	<u>± 158</u>	<u>2.370</u>
		Z _T	<u>450</u>	<u>6.75</u>
	#2	X _B	<u>1515</u>	<u>22.725</u>
		Y _B	<u>± 76</u>	<u>± 1.140</u>
		Z _B	<u>18</u>	<u>.270</u>
		X _T	<u>2058</u>	<u>30.870</u>
		Y _T	<u>160</u>	<u>2.400</u>
		Z _T	<u>445</u>	<u>6.675</u>
	#3	X _B	<u>1515</u>	<u>22.725</u>
		Y _B	<u>± 56</u>	<u>± .840</u>
		Z _B	<u>- 50</u>	<u>- .750</u>
		X _T	<u>2058</u>	<u>30.870</u>
		Y _T	<u>+ 158</u>	<u>+ 2.370</u>
		Z _T	<u>350</u>	<u>5.250</u>

Diameters of Members: TBD

TABLE III. - Continued.

MODEL COMPONENT: Attach Structure AT #2GENERAL DESCRIPTION: Left rear Orbiter/ET attach structure (2 member structure)

Model Scale: 0.015

DRAWING NO. VL78-000050

DIMENSION:	MEMBER	FULL SCALE	MODEL SCALE
	X_O	<u>1303</u>	<u>19.545</u>
	Y_O	<u>-96</u>	<u>-1.440</u>
	Z_O	<u>258</u>	<u>3.870</u>
	X_T	<u>1859</u>	<u>27.885</u>
	Y_T	<u>115</u>	<u>1.725</u>
	Z_T	<u>510</u>	<u>7.650</u>
	#2		
	X_O	<u>1317</u>	<u>19.755</u>
	Y_O	<u>-96</u>	<u>-1.440</u>
	Z_O	<u>258</u>	<u>3.870</u>
	X_T	<u>2058</u>	<u>30.870</u>
	Y_T	<u>115</u>	<u>1.725</u>
	Z_T	<u>510</u>	<u>7.650</u>

Diameter of Members: TBD

TABLE III. - Continued.

MODEL COMPONENT: Attach Structure AT₁₃GENERAL DESCRIPTION: Right rear orbiter/ET attach structure (3 member structure)

Model Scale: 0.015

MODEL NO. VL78-000050

<u>DIMENSION:</u>	<u>MEMBER</u>		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	#1	X _O	<u>1313</u>	<u>19.695</u>
		Y _O	<u>+96</u>	<u>1.44</u>
		Z _O	<u>258</u>	<u>3.870</u>
		X _T	<u>1859</u>	<u>27.885</u>
		Y _T	<u>-115</u>	<u>-1.725</u>
		Z _T	<u>-510</u>	<u>7.650</u>
	#2	X _O	<u>1317</u>	<u>19.755</u>
		Y _O	<u>+96</u>	<u>1.440</u>
		Z _O	<u>258</u>	<u>3.870</u>
		X _T	<u>2058</u>	<u>30.870</u>
		Y _T	<u>-115</u>	<u>-1.725</u>
		Z _T	<u>510</u>	<u>7.650</u>
	#3	X _O	<u>1317</u>	<u>19.755</u>
		Y _O	<u>96</u>	<u>1.440</u>
		Z _O	<u>258</u>	<u>3.870</u>
		X _T	<u>2058</u>	<u>30.870</u>
		Y _T	<u>0</u>	<u>0</u>
		Z _T	<u>566</u>	<u>8.490</u>

Diameter of Members: TBD

TABLE III. - Continued.

MODEL COMPONENT: Attach Structure AT₄GENERAL DESCRIPTION: Forward SRB/ET attach structure

Model Scale: 0.015

DRAWING NO: VL77-000051A

DIMENSION:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
X _B	<u>404</u>	<u>6.060</u>
Y _B	<u>± 177</u>	<u>2.655</u>
Z _B	<u>0</u>	<u>0</u>
X _T	<u>947</u>	<u>14.205</u>
Y _T	<u>± 167</u>	<u>2.505</u>
Z _T	<u>400</u>	<u>6.000</u>

TABLE III - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₅.

GENERAL DESCRIPTION: Forward attach structure between the orbiter and external tank. Modified to accept Rockwell International Trisonic Wind Tunnel starting loads.

MODEL SCALE: 0.015

MODEL DRAWING NO.: SS-A01166-4

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Strut centerline:	X_O	<u>391.00</u>	<u>5.865</u>
	Y_O	<u>0.0</u>	<u>0.0</u>
	X_T	<u>998.87</u>	<u>14.980</u>
	Y_T	<u>0.0</u>	<u>0.0</u>
Strut diameter, In.		<u>33.33</u>	<u>0.500</u>

TABLE III. - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₇

GENERAL DESCRIPTION: Forward attach structure between the orbiter and external tank. Same as AT₁₅ except for addition of a wedge fairing fore and aft of the strut.

MODEL SCALE: 0.015

DRAWING NO.: SS-A01255

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Wedge Leading Edge:	X _O	<u>291.00</u>	<u>4.365</u>
	Y _O	<u>0.0</u>	<u>0.0</u>
	X _T	<u>1032.00</u>	<u>15.480</u>
	Y _T	<u>0.00</u>	<u>0.00</u>
Length of Fairing, In.		<u>200.00</u>	<u>3.000</u>
Maximum width, In.		<u>37.53</u>	<u>0.563</u>
Leading Edge Radius, In.		<u>4.00</u>	<u>0.060</u>

*REVISED 4/24/74

TABLE III. - Continued.

MODEL COMPONENT : BODY - B₂₆

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Fuselage

NOTE: B₂₆ is identical to B₂₄ except underside of fuselage has been
refaired to accept W₁₁₆.

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER : VL70-000143B, -000200, 000205, -006089, -000145,
-000140A, 000140B

DIMENSIONS :	FULL SCALE	MODEL SCALE
*Length (OML: Fwd Sta. X ₀ =235)-In.	1293.3	19.400
*Length (IML: Fwd Sta. X ₀ =238)-In.	1290.3	19.350
* Max Width (@ X = 1528.3) - In.	264.0	3.960
Max Depth (@ X ₀ = 1464) - In.	250.0	3.750
Fineness Ratio		
Area - Ft ²		
Max. Cross-Sectional	340.88	0.077
Planform		
Wetted		
Base		

TABLE III. - Continued.

MODEL COMPONENT : Canopy (C₉)

GENERAL DESCRIPTION : Configuration 140 A/B Orbiter Fuselage

Model Scale = 0.015 Model Drawing No. SS-A00147

DRAWING NUMBER : VL70-000140A
VL70-000143A

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_0=434.643$ to 578), in.	<u>143.357</u>	<u>2.150</u>
Max Width (@ $X_0=513.127$), in	<u>152.412</u>	<u>2.286</u>
Max Depth (@ $X_0=485.0$), in	<u>25.000</u>	<u>0.375</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - Continued.

MODEL COMPONENT: ALTERNATE SLOTTED ELEVON - E₃₇GENERAL DESCRIPTION: Configuration 140A/B Orbiter Elevon.E₃₇ is a slotted version of E₂₆. Data is for one side.MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12DRAWING NUMBER: VL70-000200, -006089, -006092 and
Fig. 4A of SAS/AERO/76-643

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>210.00</u>	<u>0.0473</u>
Span (equivalent) - In.	<u>349.20</u>	<u>5.238</u>
Inb'd equivalent chord In.	<u>118.00</u>	<u>1.770</u>
Outb'd equivalent chord	<u>55.19</u>	<u>0.828</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>- 10.056</u>	<u>- 10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line) Ft ³	<u>1587.25</u>	<u>0.00536</u>

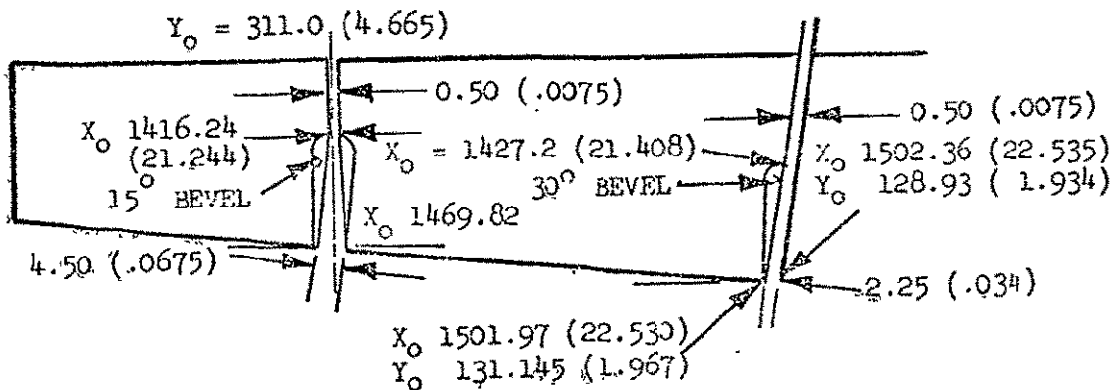


TABLE III. - Continued.

MODEL COMPONENT : BODY FLAP - FGENERAL DESCRIPTION : Configuration 140A/B Orbiter Body FlapMODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12DRAWING NUMBER: VL70-000140A, VL70-000145, VL70-000200

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_0=1520$ to $X_0=1613$) - In.	<u>93.000*</u>	<u>1.395</u>
Max Width	<u>262.000</u>	<u>3.930</u>
Max Depth ($X_0 = 1520$) - In.	<u>23.000</u>	<u>0.345</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft^2	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u>142.6</u>	<u>0.0321</u>
Wetted	<u> </u>	<u> </u>
Base	<u>41.847</u>	<u>0.0094</u>

*Model dim. measured from Model Sta. 15.20

TABLE III. - Continued.

MODEL COMPONENT: FEEDLINE - FL₁

GENERAL DESCRIPTION: LOX feedline between ET and Orbiter.

MODEL SCALE: 0.015

DRAWING NO.: VL78-000050

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Centerline at:	X _T	<u>2063.5</u>	<u>30.953</u>
	Y _T	<u>+ 70.0</u>	<u>+ 1.050</u>
	X _O	<u>1440.6</u>	<u>21.609</u>
	Y _O	<u>70.0</u>	<u>1.050</u>
Diameter		<u>18.5</u>	<u>0.278</u>

TABLE III. - Continued.

MODEL COMPONENT: FEEDLINE - FL₂

GENERAL DESCRIPTION: LH₂ feedline between ET and Orbiter.

MODEL SCALE: 0.015

DRAWING NO.: VL78-000050

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Centerline at:	X _T	<u>2063.5</u>	<u>30.953</u>
	Y _T	<u>- 70.00</u>	<u>- 1.050</u>
	X _O	<u>1330.5</u>	<u>19.958</u>
	Y _O	<u>- 70.00</u>	<u>-1.050</u>
Diameter		<u>18.5</u>	<u>0.278</u>

TABLE III. - Continued.

MODEL COMPONENT: REAR ATTACH STRUCTURE FAIRING - FR₆

GENERAL DESCRIPTION: Rear ET/Orbiter attach structure cross-member or beam fairing used in conjunction with AT₁₀, AT₁₂, FL₁ and FL₂. Includes diagonal strut.

MODEL SCALE: 0.015
DRAWING NO: VL78-000062B, SS-A01256.

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading Edge centerline at:	X _T	<u>2036.67</u>	<u>30.550</u>
	Y _T	<u>0.00</u>	<u>0.00</u>
	Z _T	<u>183.00</u>	<u>2.745</u>
Maximum length, In.		<u>64.00</u>	<u>0.960</u>
Maximum width, In.		<u>190.00</u>	<u>2.850</u>

TABLE III. - Continued.

MODEL COMPONENT : OMS Pod (M7)

GENERAL DESCRIPTION : Configuration 140 A/B Orbiter OMS-Pod

Model Scale = 0.015 Model Drawing No. SS-A00147

DRAWING NUMBER : VL70-000140A
VL70-000145

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta $X_0=1233.0$) - IN.	<u>327.000</u>	<u>4.905</u>
Max Width (@ $X_0=1450.0$) - IN.	<u>94.5</u>	<u>1.418</u>
Max Depth (@ $X_0=1493.0$) - IN.	<u>109.000</u>	<u>1.635</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - (N 28)GENERAL DESCRIPTION: Configuration 140 A/B Orbiter OMS NozzleMODEL SCALE = 0.015Model Drawing No. SS-A00147DRAWING NO. VL70-000140A, VL70-000145DIMENSIONSFULL SCALEMODEL SCALE

Mach No. _____

Length ~ in.

Gimbal Point to Exit Plane

Throat to Exit Plane

Diameter ~ in.

Exit

Throat

Inlet

Area ~ ft².

Exit

Throat

Gimbal Point (station) ~ in.

X

Y

Z

Null Position ~ deg.

Pitch

Yaw

1518.00± 88.0492.015° 49'12° 17'22.771.327.3815° 49'12° 17'

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - N4JGENERAL DESCRIPTION: Configuration 4 BSRM Nozzles

MODEL SCALE = 0.015

DRAWING NO. VL72-000088E
VL77-000036A

<u>DIMENSIONS</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Mach No. _____		
Length ~ in.		
Gimbal Point to Exit Plane	<u>141.3</u>	<u>2.120</u>
Throat to Exit Plane	<u> </u>	<u> </u>
Diameter ~ in.		
Exit	<u>141.3</u>	<u>2.120</u>
Throat	<u> </u>	<u> </u>
Inlet	<u> </u>	<u> </u>
Area ~ ft ² .		
Exit	<u>108.89 95</u>	<u>0.0245</u>
Throat	<u> </u>	<u> </u>
Gimbal Point (station) ~ in.		
X	<u>1796.15</u>	<u>26.942</u>
Y	<u>+243.0</u>	<u>+3.645</u>
Z	<u>400.0</u>	<u>6.0</u>
Null Position ~ deg.		
Pitch	<u>0°</u>	<u>0°</u>
Yaw	<u>0°</u>	<u>0°</u>
FS of Nozzle Exit Plane (X _T) IN.	<u>2484</u>	<u>37.260</u>

TABLE III. - Continued.

MODEL COMPONENT: SRB Protuberance PS₁DESCRIPTION: Electrical tunnel fairing on top of each SRBMODEL SCALE: 0.015DRAWING NO: VL77-000036A 1

DIMENSION: (Data for 1 of 2)

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at X_B	<u>467</u>	<u>7.001</u>
C of tunnel Y_B	<u>0</u>	<u>0</u>
Trailing edge at X_B	<u>1820</u>	<u>27.30</u>
Height, in.	<u>3</u>	<u>.045</u>
Width, in.	<u>6</u>	<u>.090</u>
\angle_{LE} , deg.	<u>72</u>	<u>72</u>

TABLE III. - Continued.

MODEL COMPONENT: SRB Protuberance PS₂DESCRIPTION: SRB/ET attach ringMODEL SCALE: 0.015DRAWING NO.: VL77-000036A

DIMENSIONS: (Data for 1 of 2)

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
C at X _B	<u>1515</u>	<u>22.725</u>
Width, in.	<u>10</u>	<u>.15</u>
Height, in.	<u>10</u>	<u>.15</u>

TABLE III. - Continued.

MODEL COMPONENT: SRB Protuberance PS3

DESCRIPTION: Separation rocket fairing on each SRB nozzle shroud located
30° inboard from top centerline.

MODEL SCALE: 0.015

DRAWING NO.: VL77-000036A

DIMENSIONS: (Data for 1 of 2)

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at X_B	<u>1796</u>	<u>26.940</u>
Trailing edge at X_B	<u>1889</u>	<u>28.335</u>

Radial location is 30° inboard from top centerline.

TABLE III. - Continued.

MODEL COMPONENT: ET Protuberance PT₁DESCRIPTION: LOX Vent Line Fairing on Tank T₁₂ NoseMODEL SCALE: .015DRAWING NO. VL78-000031A

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
DIMENSIONS: Leading edge at X _T	<u>321</u>	<u>4.815</u>
Y _T	<u>0</u>	<u>0</u>
Trailing edge at X _T	<u>947</u>	<u>14.205</u>
Y _T	<u>-70</u>	<u>1.053</u>

TABLE III. - Continued.

MODEL COMPONENT: ET Protuberance PT₂DESCRIPTION: LOX feed lines on vehicle 4 tank secured to tank by brackets
with 50-inch spacingMODEL SCALE: 0.015DRAWING NO. VE78-000031A

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
DIMENSIONS: Leading edge at X_T	<u>947</u>	<u>14.205</u>
Y_T	<u>-70</u>	<u>-1.053</u>
Trailing edge at X_T	<u>1330</u>	<u>19.950</u>
Y_T	<u>-70</u>	<u>-1.053</u>
Bracket spacing from $X_T = 997$, in.	<u>50</u>	<u>.75</u>

TABLE III. - Continued.

MODEL COMPONENT: ET Protuberance PT3

DESCRIPTION: LH₂ feed line on vehicle 4 tank secured to tank by brackets
with 50-inch spacing.

MODEL SCALE: 0.015

DRAWING NO. VL78-000031A

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
DIMENSIONS: Leading edge at X_T	<u>947</u>	<u>14.205</u>
	<u>70</u>	<u>1.053</u>
Trailing edge at X_T	<u>1330</u>	<u>19.950</u>
Y_T	<u>70</u>	<u>1.053</u>
Bracket spacing from $X_T = 997$, in.	<u>50</u>	<u>.75</u>

TABLE III. - Continued.

MODEL COMPONENT: RUDDER - R5GENERAL DESCRIPTION: Configuration 140A/B Orbiter Rudder

Model Scale = 0.015

Model Drawing No. SS-A00148

DRAWING NUMBER: VL70-000146A
VL70-000095DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area, ft ²	<u>100.15</u>	<u>0.0225</u>
Span (equivalent), in	<u>201.0</u>	<u>3.015</u>
Inb'd equivalent chord, in	<u>91.585</u>	<u>1.374</u>
Outb'd equivalent chord, in	<u>50.833</u>	<u>0.762</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line), ft ³ (Product of Area and Mean Chord)	<u>610.92</u>	<u>0.00206</u>
* Mean Aerodynamic Chord, in	<u>73.2</u>	<u>1.098</u>

TABLE III. - Continued.

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - (S12)GENERAL DESCRIPTION: Configuration 3A, Data for (1) of (2) sides,
per Rockwell Lines VL77-000036AModel Scale = 0.015DRAWING NUMBER VL72-000088D
VL77-000036A

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes Nozzle) - IN.	<u>1741.0</u>	<u>26.115</u>
Max Width (Tank Dia) - IN.	<u>142.3</u>	<u>2.135</u>
Max Depth (Aft Shroud) - IN.	<u>192.0</u>	<u>2.880</u>
Fineness Ratio	<u>9.06771</u>	<u>9.06771</u>
Area - FT ²		
Max Cross-Sectional	<u>201.06193</u>	<u>0.0452</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
WP of BSRM Centerline (Z _T) - IN.	<u>400</u>	<u>6.000</u>
FS of BSRM Nose (X _T) - IN.	<u>743</u>	<u>11.145</u>

TABLE III. - Continued.

MODEL COMPONENT: EXTERNAL TANK - (T12)GENERAL DESCRIPTION: External Oxygen Hydrogen TankNOTE: Identical to T11 with external fuel lines addedModel Scale = 0.015

DRAWING NUMBER

VL78-00003La
VL78-000041A/BDIMENSION:FULL SCALEMODEL SCALELength -- IN. (Nose @ $X_T = 309$)186527.975

Max Width (Dia) -- IN.

3244.86

Max Depth, in.

Fineness Ratio

5.756175.75617Area -- FT²

Max Cross-Sectional

572.5550.1288

Planform

Wetted

Base

WP of Tank Centerline (Z_T) -- IN.400.06.000REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE III. - Continued.

MODEL COMPONENT: VERTICAL - V 8.GENERAL DESCRIPTION: Configuration 140 A/B Orbiter Vertical TailNOTE: Similar to V5 with radius on TE upper corner and LE lower cornerwhere vertical meets fuselage.Model Scale = 0.015Model Drawing No. SS-A00148DRAWING NUMBER:VL70-000140AVL70-000146ADIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft^2	<u>413.253</u>	<u>0.09298</u>
Planform		
Span (Theo) In	<u>315.720</u>	<u>4.73580</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.40399</u>	<u>0.40399</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.00</u>	<u>45.00</u>
Trailing Edge	<u>26.20</u>	<u>26.20</u>
0.25 Element Line	<u>41.130</u>	<u>41.130</u>
Chords:		
Root (Theo) WP	<u>268.500</u>	<u>4.02750</u>
Tip (Theo) WP	<u>108.470</u>	<u>1.62705</u>
MAC	<u>199.80756</u>	<u>2.99711</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>21.95250</u>
W. P. of .25 MAC	<u>635.522</u>	<u>9.53283</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle Deg	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle Deg	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius	<u>2.00</u>	<u>0.0300</u>
Void Area	<u>13.17</u>	<u>0.00296</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE III. - Concluded.

MODEL COMPONENT: Wing, W116GENERAL DESCRIPTION: Configuration 140A/B Orbiter Double Delta Wing.

Model Scale = .015

DRAWING NUMBER: VL70-000140B
VL70-000200

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA

Area, ft ² (Theoretical)		
Planform	2690.00	0.6053
Wetted		
Span (equivalent), in	936.682	14.050
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Diehedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	3.000	3.000
Toe-In Angle	0.0	0.0
Cant Angle	0.0	0.0
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	10.056	10.056
0.25 Element Line	35.209	35.209
Chords: /N		
Root (Wing Sta. 0.0)	689.243	10.339
Tip, (equivalent)	137.849	2.068
MAC	474.812	7.122
Fus. Sta. of .25 MAC	1136.830	17.052
W.P. of .25 MAC	290.580	4.359
B.L. of .25 MAC	182.130	2.732
Airfoil Section		
Root	Mod. NASA	XXXX-64
Tip		

EXPOSED DATA

Area, ft ² (Theo.)	1751.500	0.3941
Span, (equivalent), in (Theo.)	720.680	10.081
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords, in.		
Root B.P. 108	562.090	8.431
Tip	137.851	2.068
MAC	392.830	5.892
Fus. Sta. of .25 MAC	1185.980	17.790
W.P. of .25 MAC	294.300	4.415
B.L. of .25 MAC	251.770	3.777
Cuff Data for 1 of 2 sides, Area, ft ²	113.18	1.698
L.E. intersects fus. ML @ Sta.	500.00	7.500
" " wing @ Sta.	1024.00	15.360

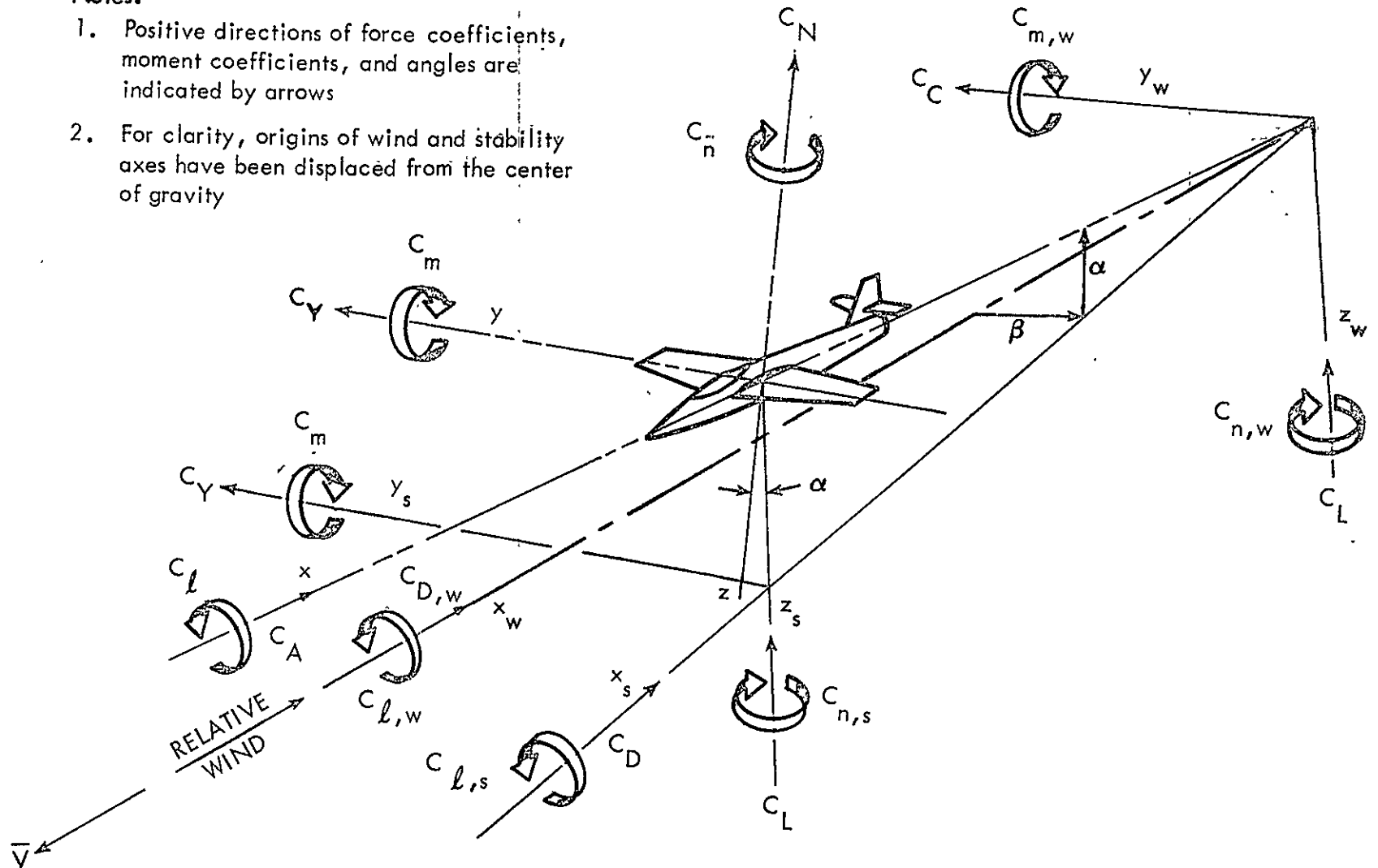
TABLE IV. - PRESSURE INSTRUMENTATION

Inboard Station $Y_o = 204.00$ $c = 449.06$ in			Outboard Station $Y_o = 361.00$ $c = 264.22$ in		
Tap No.	X/C	Surface	Tap No.	X/C	Surface
1	0	LE	26	0	LE
2	0.030	upper	27	0.02	upper
3	0.048	upper	28	0.05	upper
4	0.085	upper	29	0.15	upper
5	0.177	upper	30	0.25	upper
6	0.274	upper	31	0.65	upper
7	0.402	upper	32	0.75	upper
8	0.565	upper	33	0.85	upper
9	0.760	upper	34	0.95	upper
10	0.808	upper	35	0.02	lower
11	0.857	upper	36	0.05	lower
12	0.905	upper	37	0.15	lower
13	0.953	upper	38	0.25	lower
14	0.030	lower	39	0.65	lower
15	0.048	lower	40	0.75	lower
16	0.085	lower	41	0.85	lower
17	0.177	lower	42	0.95	lower
18	0.274	lower			
19	0.402	lower			
20	0.565	lower			
21	0.760	lower			
22	0.808	lower			
23	0.857	lower			
24	0.905	lower			
25	0.953	lower			

For Right Hand Wing Panel

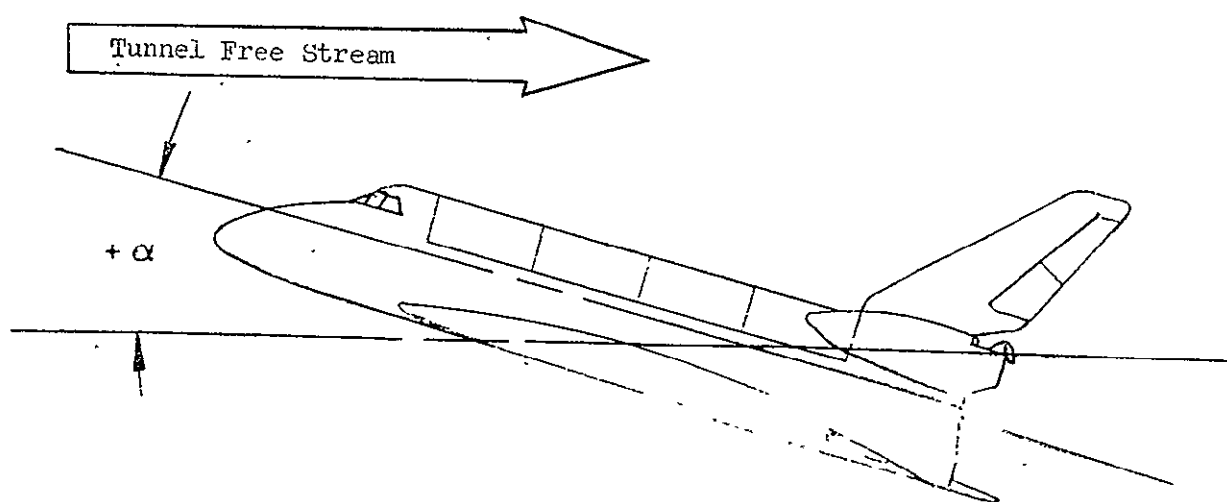
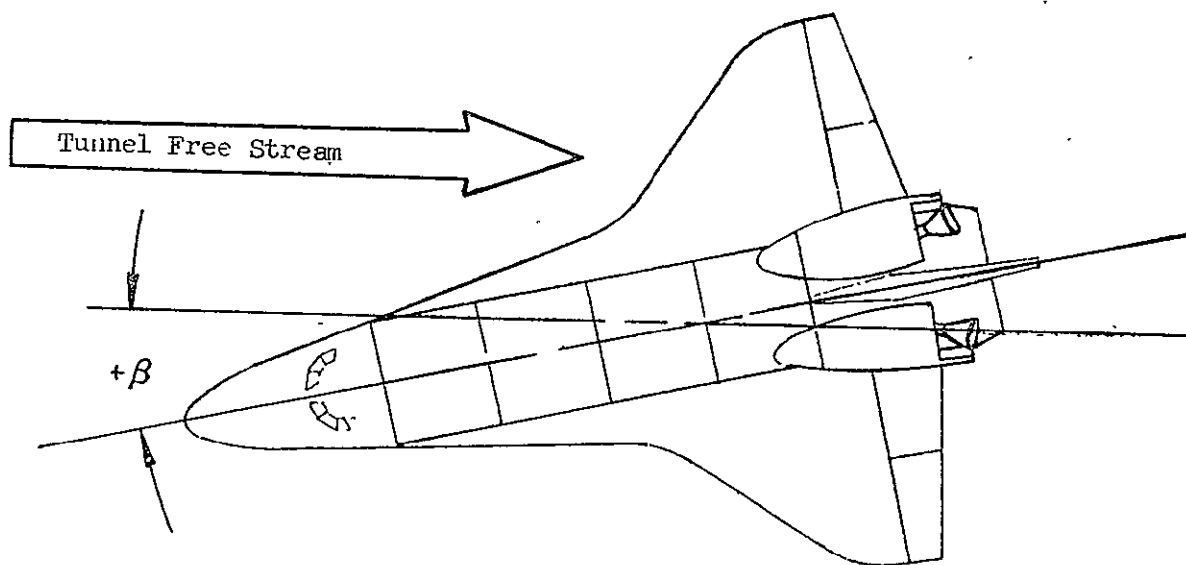
Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



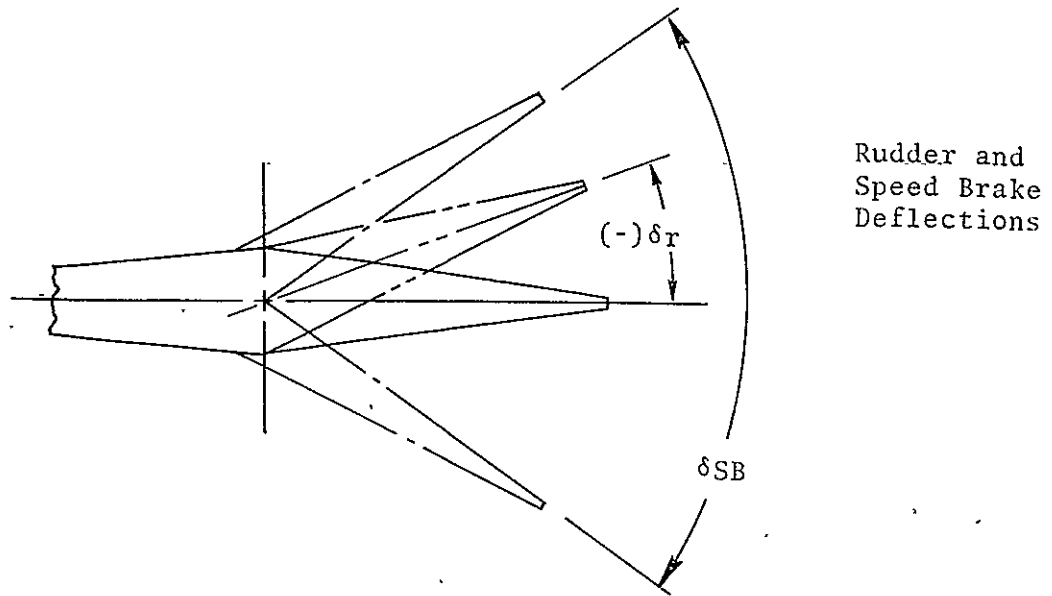
a. General

Figure 1. - Axis systems.

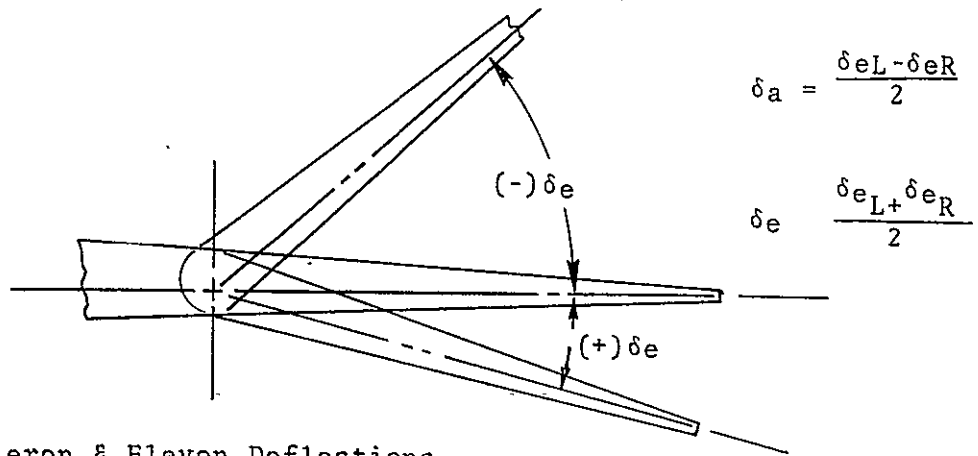


b. Model Attitude Definition

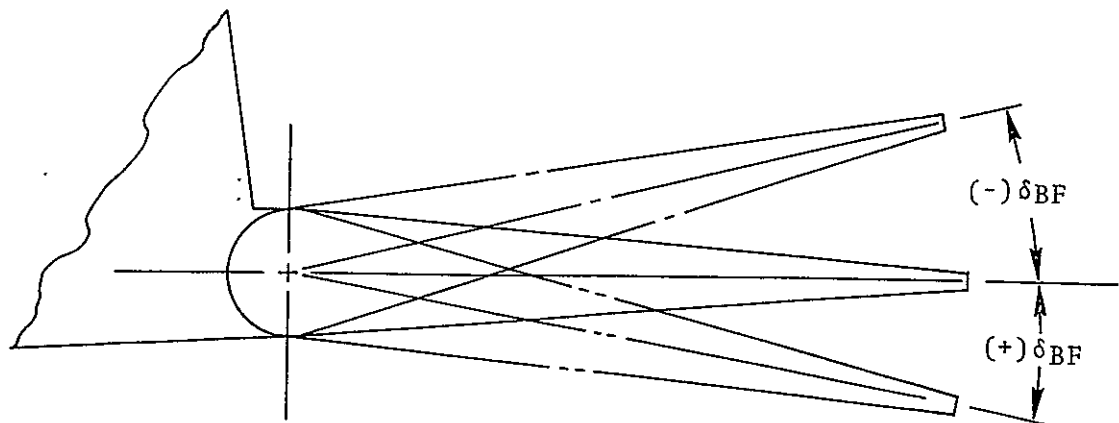
Figure 1. - Continued.



Rudder and
Speed Brake
Deflections



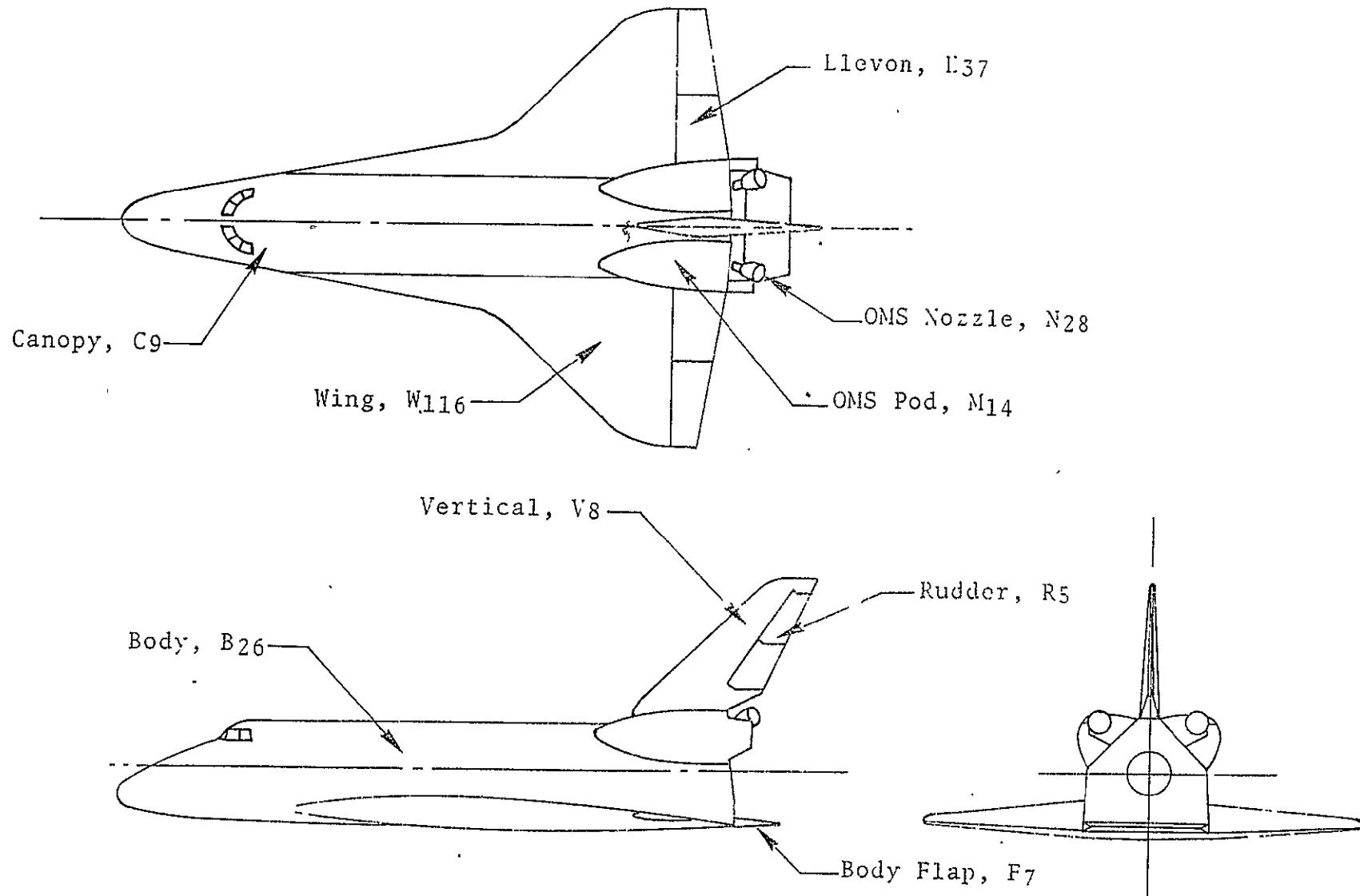
Aileron & Elevon Deflections



Body Flap Deflections

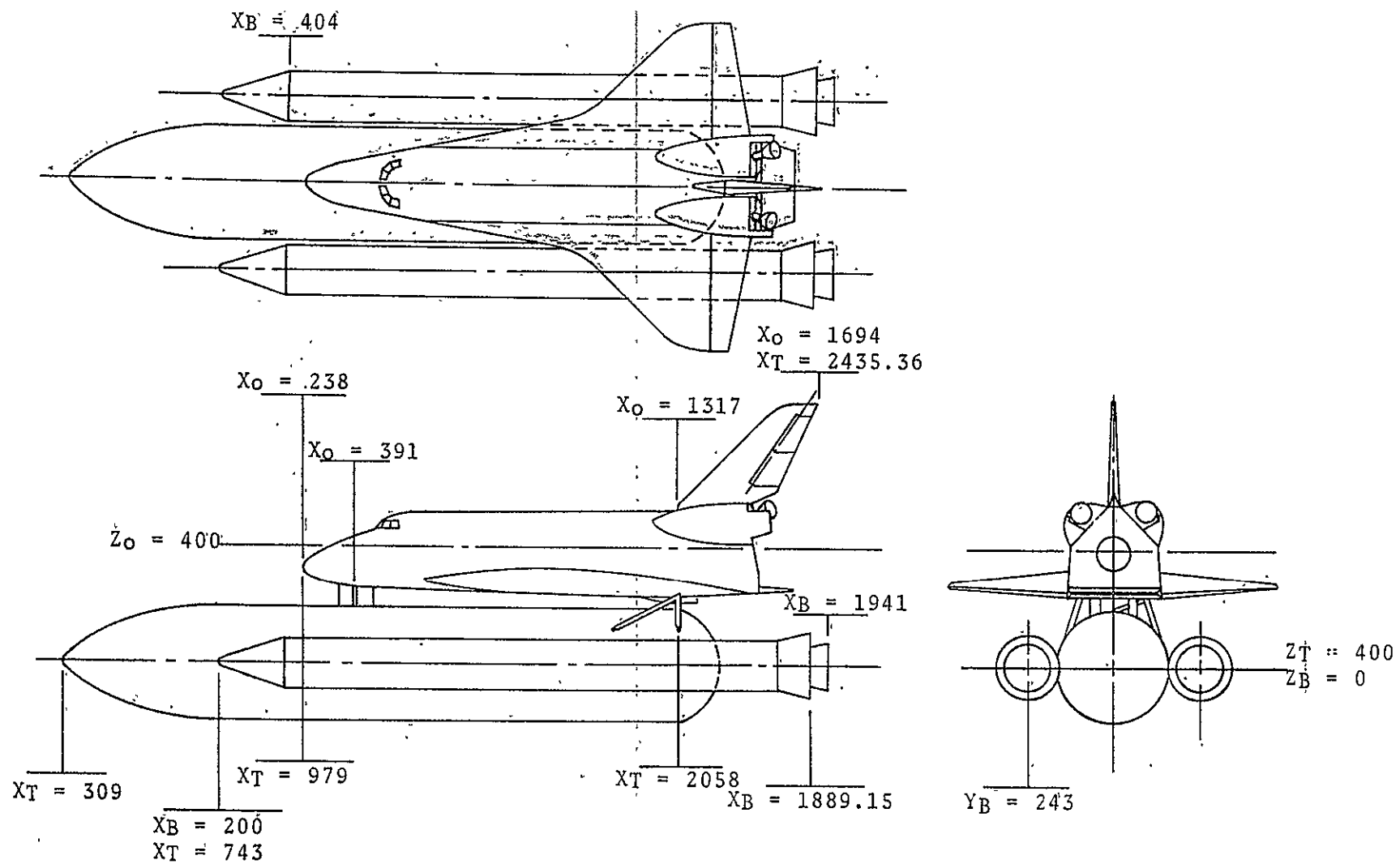
c. Sign Convention for Control Surfaces

Figure 1. - Concluded.



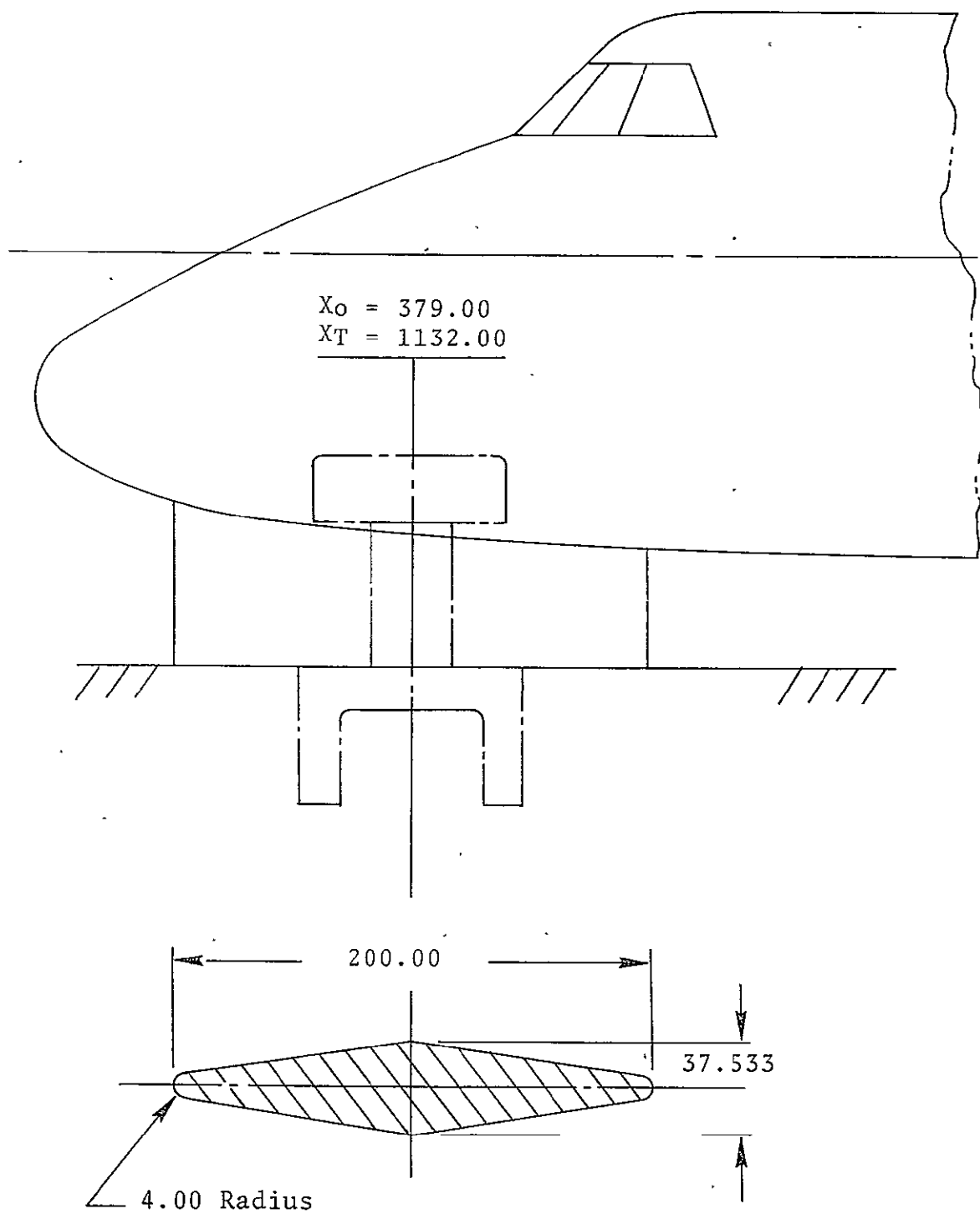
a. General Arrangement, - 140A/B Orbiter

Figure 2. - Model sketches.



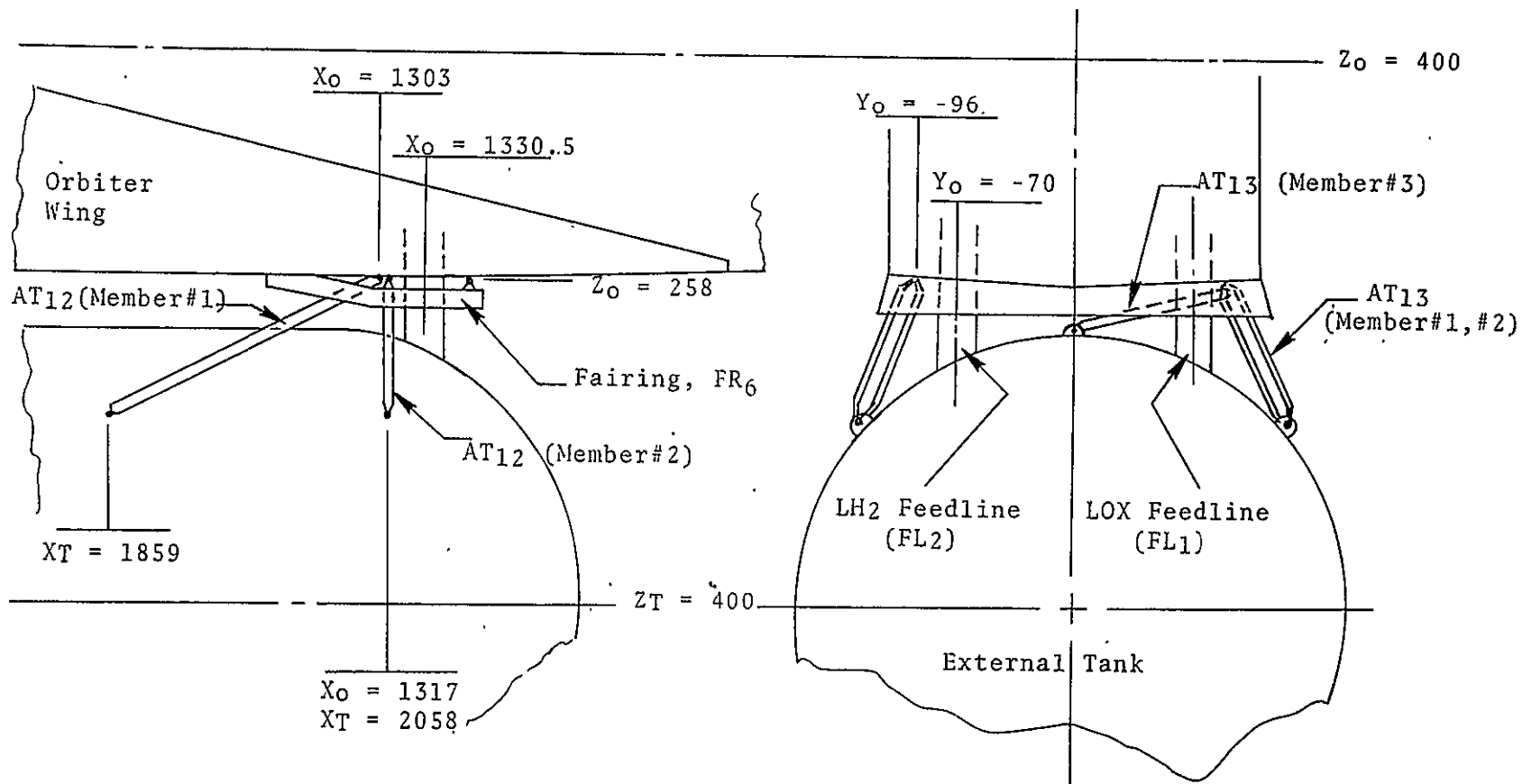
b. Mated Vehicle Configuration

Figure 2. - Continued.



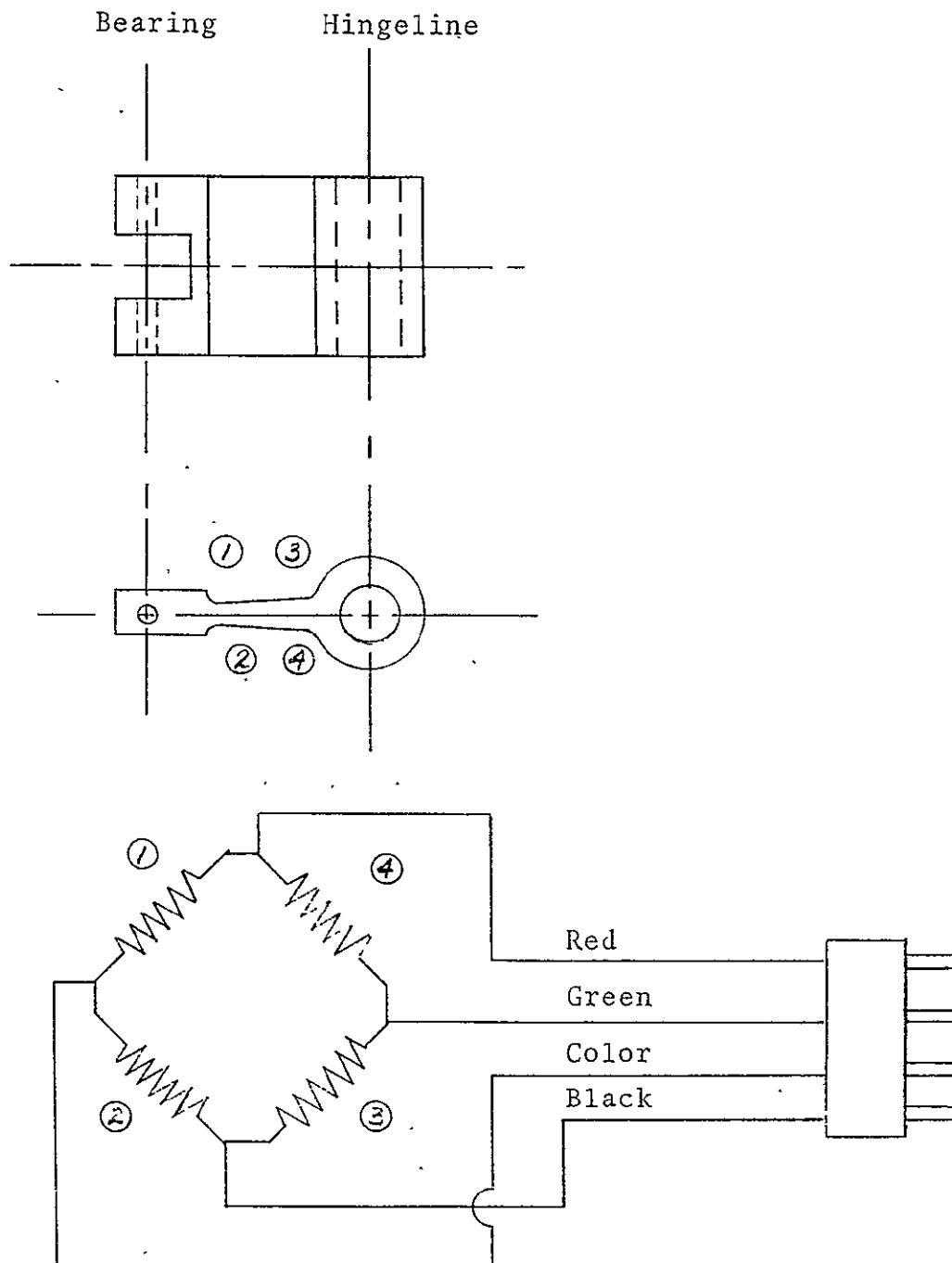
c. Forward Orbiter/ET Attach Hardware

Figure 2. - Continued.



d. Aft Orbiter/ET Attach Hardware

Figure 2. - Continued.

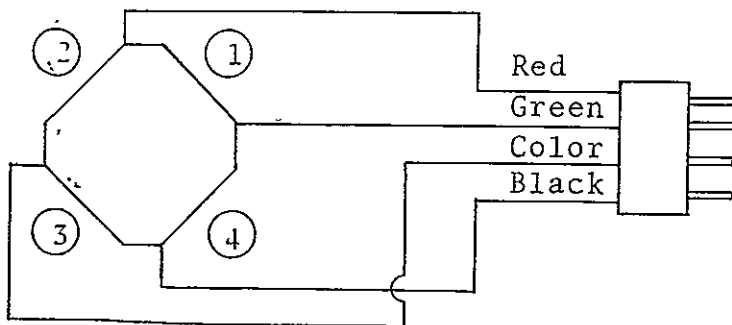
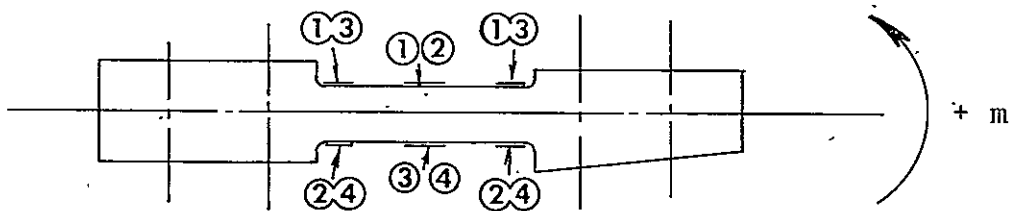
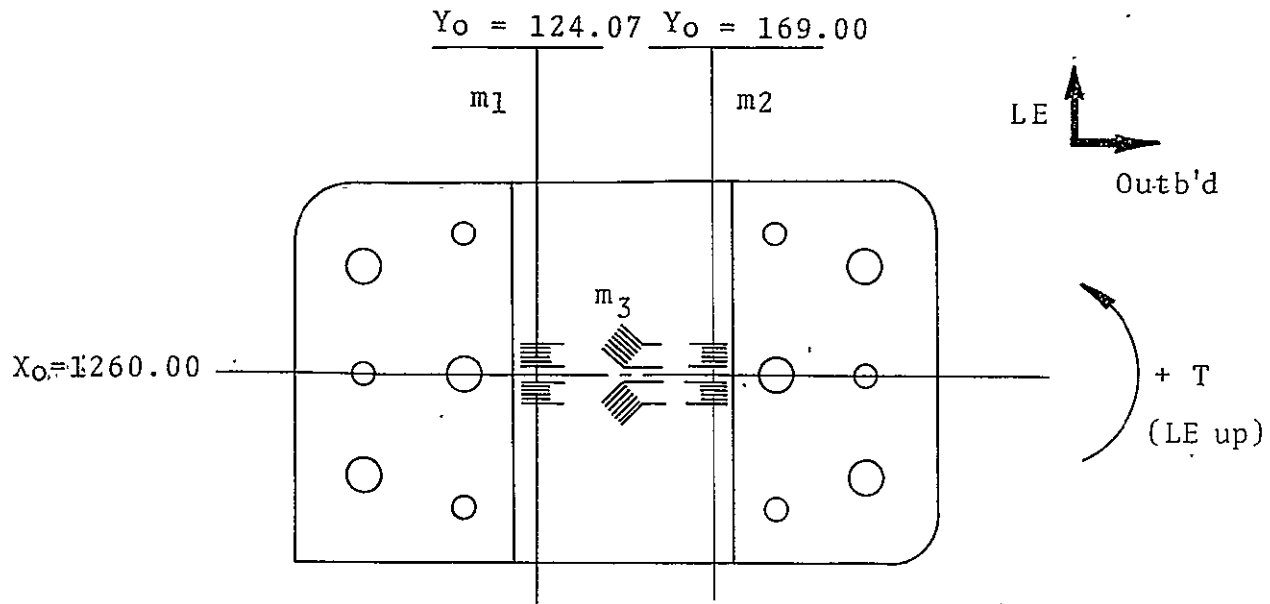


Color Code

Inboard Elevon	Grey
Outboard Elevon	Yellow
Body Flap	Orange

e. Elevon and Bodyflap Hinge Moment Gage

Figure 2. - Continued.

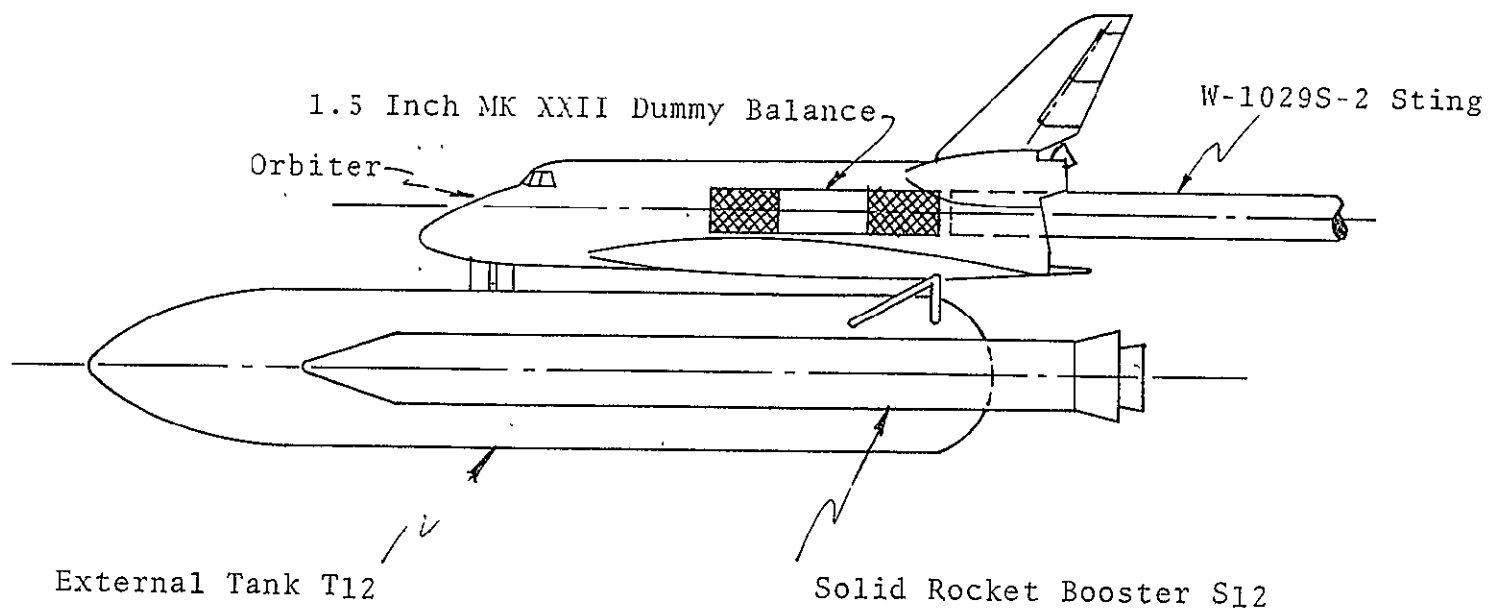


Color Code

m_1	Blue
m_2	White
m_3	Purple

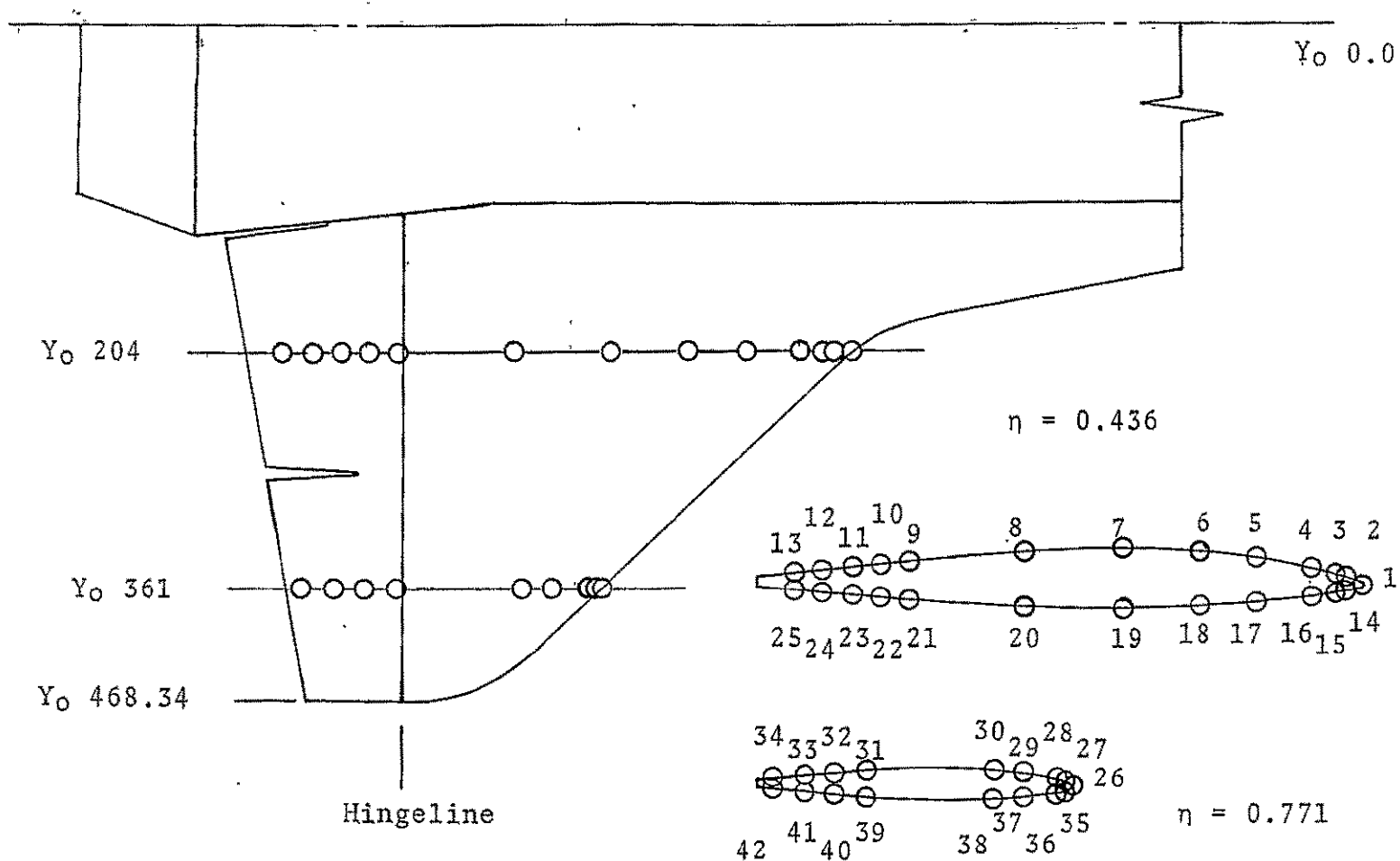
f. Wing Bending And Torsion Gage

Figure 2. - Continued.



g. Installation Sketch

Figure 2. - Continued.

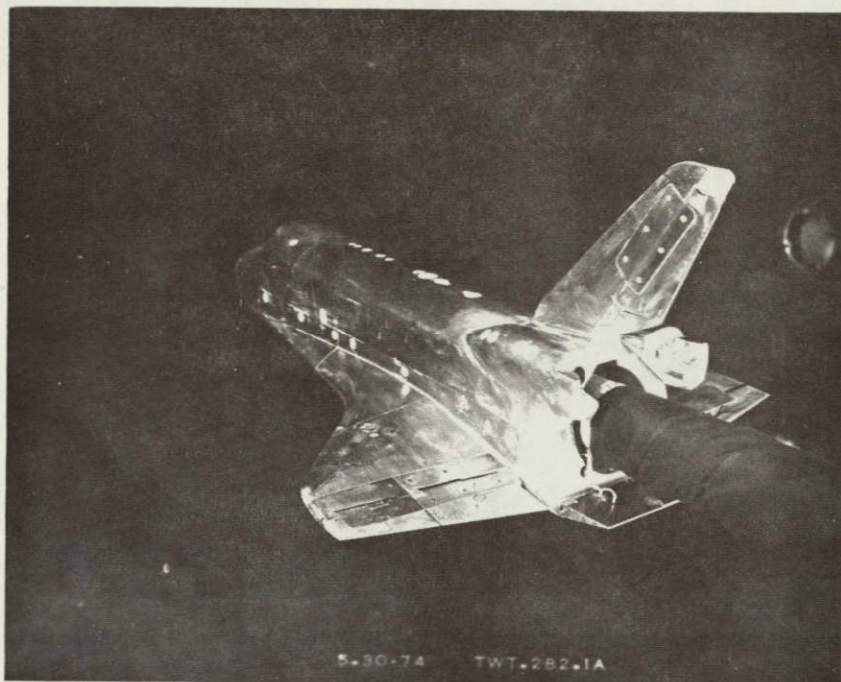


Notes:

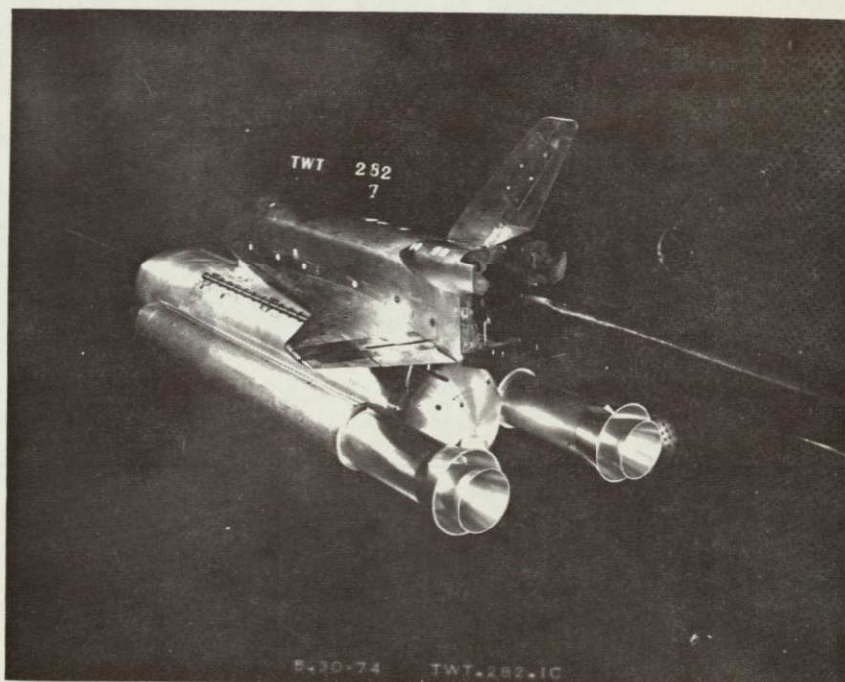
- (1) Full Scale Dimensions
- (2) Pressure Orifices are for Right-Hand Wing
- (3) See Table IV for X/C Locations

h. Orbiter Wing Pressure Tap Locations

Figure 2. - Concluded.

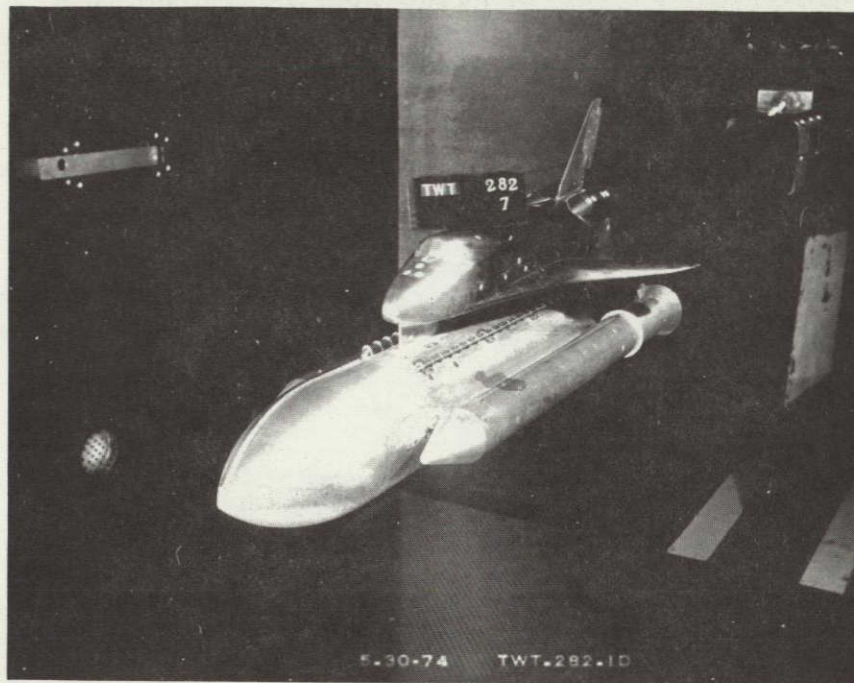


a. Aft View, TWT Installation Orbiter
B26 C9 M7 F7 W116 E7 V8 R15



b. Aft View, TWT Installation Orbiter + External
Tank + Solid Rocket Motors

Figure 3. - Model installation.



c. Front View, TWT Installation Orbiter + External Tank + Solid Rocket Motors

Figure 3. - Concluded.

APPENDIX
TABULATED PRESSURE DATA

DATE 07 NOV 74

TABULATED PRESSURE DATA - 1A70

PAGE 1

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 373.0000 IN. ZO
 SCALE = .0150

BETA = 8.000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = .900 ALPHA (1) = -8.661 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2744 .1968
 .020 .5516
 .030 .4416
 .048 .3927
 .050 .3531
 .085 .2680
 .150 -.0294
 .177 -.0239
 .250 -.2042
 .274 -.1053
 .402 -.1176
 .565 .0135
 .650 -.0430
 .750 .0003
 .760 .0510
 .808 .0701
 .850 .0805
 .857 .1157
 .905 .0926
 .950 .0626
 .953 .0240

MACH (1) = .899 ALPHA (2) = -6.490 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3753 .3319
 .020 .4930
 .030 .3743
 .048 .3139
 .050 .2501
 .085 .1633
 .150 -.1806
 .177 -.1422
 .250 -.3235

1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (1) = .899 ALPHA (2) = -6.490

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.2084
.402	-.1911
.563	-.0183
.650	-.0500
.750	-.0043
.760	.0429
.808	.0640
.850	.0764
.857	.1076
.903	.0863
.950	.0534
.953	.0222

MACH (1) = .899 ALPHA (3) = -4.341 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4473	.4371
.020		.4012
.030	.3001	
.048	.2320	
.050		.1383
.085	.0577	
.150		-.3412
.177	-.2560	
.250		-.5216
.274	-.3460	
.402	-.2857	
.563	-.0436	
.650		-.0348
.750		-.0017
.760	.0407	
.808	.0623	
.850		.0726
.857	.1033	
.903	.0864	
.950		.0440
.953	.0231	

DATE 07 NOV 74

TABULATED PRESSURE DATA - 1A70

PAGE 3

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (1) = .097 ALPHA (4) = -2.173 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4894	.5580
.020		.2588
.030	.2072	
.048	.1357	
.050		-.0076
.085	-.0628	
.150		-.5850
.177	-.3328	
.250		-.7130
.274	-.5188	
.402	-.3489	
.565	-.0712	
.650		-.0130
.750		.0233
.760	.0402	
.808	.0623	
.850		.0763
.857	.0949	
.905	.0834	
.950		.0460
.953	.0254	

MACH (1) = .098 ALPHA (5) = -.009 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5027	.6148
.020		.0970
.030	.1089	
.048	.0392	
.050		-.1387
.085	-.1890	
.150		-.8076
.177	-.4112	
.250		-.8827
.274	-.6514	
.402	-.4412	
.565	-.0892	
.650		-.1939
.750		-.0057
.760	.0414	
.808	.0618	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (1) = .898 ALPHA (3) = -.009

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .0737

.857 .0878

.903 .0823

.950 .0694

.953 .0242

MACH (1) = .898 ALPHA (6) = 2.153 RUN = 137.000 RM/L = 5.989 BETA = 8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4918 .6267

.020 -.1009

.030 .0023

.048 -.0566

.050 -.2626

.085 -.3798

.150 -.9451

.177 -.4975

.250 -1.0330

.274 -.7375

.402 -.7598

.565 -.1531

.650 -.4395

.750 -.2822

.760 .0351

.808 .0532

.850 -.1378

.857 .0783

.903 .0752

.950 -.0527

.953 .0236

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TABULATED PRESSURE DATA - IA70

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IA70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (1) = .900 ALPHA (7) = 4.308 RUN = 137,000 RN/L = 5,989 BETA = 8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4630	.6004
.020		-.3720
.030	-.1057	
.048	-.1483	
.050		-.4050
.085	-.4728	
.150		-1.0184
.177	-.5543	
.250		-1.0725
.274	-.7991	
.402	-.8302	
.565	-.2902	
.650		-.4904
.750		-.4160
.760	.0417	
.808	.0564	
.850		-.3322
.857	.0876	
.905	.0853	
.950		-.2879
.953	.0352	

MACH (1) = .900 ALPHA (8) = 6.469 RUN = 137,000 RN/L = 5,989 BETA = 8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4238	.5457
.020		-.6625
.030	-.2226	
.048	-.2393	
.050		-.7707
.085	-.5530	
.150		-1.0557
.177	-.6920	
.250		-.9599
.274	-.8339	
.402	-.8867	
.565	-.3463	
.650		-.5665
.750		-.4896
.760	-.0140	
.808	.0123	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (1) = .900 ALPHA (8) = 8.469

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4342

.857 .0604

.905 .0643

.950 -.3897

.953 .0251

MACH (1) = .899 ALPHA (9) = 8.641 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4163 .4973

.020 -.7996

.030 -.3096

.048 -.3063

.050 -.9541

.085 -.6266

.150 -1.0977

.177 -.8120

.250 -.9649

.274 -.9004

.402 -.9407

.565 -.4175

.650 -.5986

.750 -.5557

.760 -.1219

.808 -.0854

.850 -.5114

.857 -.0178

.905 .0136

.950 -.4746

.953 .0014

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE

(RF7043)

MACH (2) = 1.079 ALPHA (1) = -8.897 RUN = 145.000 RN/L = 6.678 BETA = 6.640

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3389 .3749

.020 .6022

.030 .4942

.048 .4489

.050 .3983

.085 .3327

.150 .0290

.177 .0350

.250 -.1665

.274 -.1890

.402 -.2604

.565 .1320

.650 -.0390

.750 .0761

.760 .1631

.808 .1995

.850 .2263

.857 .2615

.905 .2865

.950 .2129

.953 .2156

MACH (2) = 1.095 ALPHA (2) = -6.617 RUN = 145.000 RN/L = 6.678 BETA = 6.640

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4484 .4723

.020 .5771

.030 .4562

.048 .3994

.050 .3519

.085 .2640

.150 -.0488

.177 .0087

.250 -.2694

.274 -.2287

.402 -.3066

.565 .0619

.650 -.2214

.750 -.0644

.760 .1254

.808 .1790

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (2) = 1.095 ALPHA (2) = -6.617

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		.1343
.857	.2507	
.905	.2659	
.950		.2154
.953	.2216	

MACH (2) = 1.105 ALPHA (3) = -4.409 RUN = 145.000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5115	.5572
.020		.5276
.030	.3934	
.048	.3314	
.050		.2919
.085	.1462	
.150		-.1406
.177	-.0410	
.250		-.3394
.274	-.2784	
.402	-.3629	
.565	-.1013	
.650		-.4377
.750		-.1857
.760	.0593	
.808	.0941	
.850		-.1484
.857	.2243	
.905	.2641	
.950		-.0762
.953	.2303	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (2) = 1.113 ALPHA (4) = -2.200 RUN = 145,000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5553	.6387
.020		.4634
.030	.3235	
.048	.2624	
.050		.2391
.085	.0090	
.150		-.2607
.177	-.1234	
.250		-.4165
.274	-.3240	
.402	-.4069	
.565	-.2468	
.650		-.6472
.750		-.2743
.760	.0182	
.808	.0239	
.850		-.1805
.857	.0775	
.905	.2037	
.950		-.1635
.955	.2133	

MACH (2) = 1.110 ALPHA (5) = .010 RUN = 145,000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5725	.7267
.020		.3522
.030	.2340	
.048	.1607	
.050		.1550
.085	-.0765	
.150		-.4078
.177	-.2134	
.250		-.5249
.274	-.4013	
.402	-.4648	
.565	-.4110	
.650		-.7255
.750		-.5047
.760	-.0517	
.808	.0024	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (2) = 1.110 ALPHA (5) = .010

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2740

.857 .0341

.905 .0785

.950 -.2211

.953 .1362

MACH (2) = 1.104 ALPHA (6) = 2.227 RUN = 145,000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5624 .7550

.020 .1702

.030 .1328

.048 .0958

.050 .0323

.085 -.1595

.150 -.5154

.177 -.3253

.250 -.6249

.274 -.4666

.402 -.5197

.565 -.5573

.650 -.7886

.750 -.4604

.760 -.1393

.808 -.0430

.850 -.3702

.857 .0109

.905 .0445

.950 -.3486

.953 .1050

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8 WING UPPER SURFACE (RF7043)

MACH (2) = 1.096 ALPHA (7) = 4.426 RUN = 145.000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.5253	.7264
.020		-.1591
.030	-.0061	
.048	-.0007	
.050		-.1468
.085	-.2588	
.150		-.5959
.177	-.4280	
.250		-.7121
.274	-.5451	
.402	-.5912	
.565	-.6360	
.650		-.7995
.750		-.5566
.760	-.2298	
.808	-.1083	
.850		-.4469
.857	-.0109	
.905	.0230	
.950		-.4140
.955	.0605	

MACH (2) = 1.086 ALPHA (8) = 6.641 RUN = 145.000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4594	.6989
.020		-.3163
.030	-.1606	
.048	-.1222	
.050		-.4476
.085	-.3655	
.150		-.7063
.177	-.5504	
.250		-.7974
.274	-.6444	
.402	-.6560	
.565	-.7086	
.650		-.8626
.750		-.6436
.760	-.2885	
.808	-.1821	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (2) = 1.066 ALPHA (8) = 8.641

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5173

.857 -.0731

.903 -.0200

.950 -.4807

.953 .0214

MACH (2) = 1.077 ALPHA (9) = 8.850 RUN = 145,000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4644 .6581

.020 -.4391

.030 -.2418

.048 -.2222

.050 -.5903

.085 -.4559

.150 -.8441

.177 -.6592

.250 -.8869

.274 -.7665

.402 -.7502

.565 -.7662

.650 -.8461

.750 -.7411

.760 -.3150

.808 -.2252

.850 -.6301

.857 -.1751

.903 -.1003

.950 -.5964

.953 -.0460

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (3) = 1.199 ALPHA (1) = -8.822 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3308	.4457
.020		.6843
.030	.5208	
.048	.4845	
.080		.4860
.085	.3972	
.150		.1362
.177	.1816	
.250		-.0631
.274	-.0705	
.402	-.1660	
.565	.1013	
.650		-.2849
.750		-.0323
.760	.1487	
.808	.1518	
.850		-.1031
.857	.2979	
.905	.3379	
.950		.2037
.983	.3118	

MACH (3) = 1.199 ALPHA (2) = -6.649 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3631	.5250
.020		.6613
.030	.4437	
.048	.3975	
.050		.4413
.085	.2725	
.150		.0960
.177	.0897	
.250		-.1291
.274	-.1129	
.402	-.2068	
.565	-.1426	
.650		-.4133
.750		-.2781
.760	.1195	
.808	.0852	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (3) = 1.189 ALPHA (2) = -6.649

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.0479
.857	.1124	
.905	.2204	
.950		.0154
.953	.2724	

MACH (3) = 1.206 ALPHA (3) = -4.433 RUN = 76.000 RM/L = 7.178 BETA = 8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4237	.6127
.020		.6131
.030	.3754	
.048	.3253	
.050		.3888
.083	.1370	
.150		.0185
.177	.0173	
.250		-.1955
.274	-.1700	
.402	-.2529	
.565	-.3268	
.650		-.4653
.750		-.4677
.760	.0762	
.808	.0686	
.850		-.1541
.857	.0826	
.905	.1007	
.950		-.1014
.953	.1615	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (3) = 1.209 ALPHA (4) = -2.244 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4645	.6818
.020		.5450
.030	.3076	
.046	.2630	
.050		.3310
.085	.0680	
.150		-.0962
.177	-.0498	
.250		-.2878
.274	-.2374	
.402	-.3095	
.565	-.3954	
.650		-.5289
.750		-.5348
.760	-.0059	
.808	.0301	
.850		-.2216
.857	.0603	
.905	.0793	
.950		-.1560
.953	.1215	

MACH (3) = 1.207 ALPHA (5) = -.006 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4979	.7249
.020		.4485
.030	.2576	
.046	.2154	
.050		.2546
.085	-.0032	
.150		-.2316
.177	-.1442	
.250		-.3792
.274	-.3004	
.402	-.3627	
.565	-.4469	
.650		-.5751
.750		-.5724
.760	-.1098	
.808	-.0449	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (3) = 1.207 ALPHA (.5) = -.006

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2921

.857 .0213

.903 .0630

.930 -.2061

.953 .1070

MACH (3) = 1.202 ALPHA (6) = 2.211 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5510 .7854

.020 .3143

.030 .1613

.048 .1359

.050 .1615

.085 -.0984

.150 -.3289

.177 -.2464

.250 -.4578

.274 -.3747

.402 -.4219

.563 -.4862

.650 -.6499

.750 -.6369

.760 -.1927

.808 -.1241

.850 -.3277

.857 -.0363

.903 .0382

.930 -.2618

.953 .0926

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (3) = 1.196 ALPHA (7) = 4.443 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE

2Y/B .4360 .7710

X/C

.000	.5311	.7979
.020		.0055
.030	.0581	
.048	.0584	
.050		.0084
.085	-.1694	
.150		-.4076
.177	-.3566	
.250		-.5378
.274	-.4583	
.402	-.4678	
.565	-.5196	
.650		-.7103
.750		-.6986
.760	-.2653	
.808	-.2067	
.850		-.4095
.857	-.1120	
.905	-.0107	
.950		-.3281
.953	.0596	

MACH (3) = 1.185 ALPHA (8) = 6.649 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5316	.7783
.020		-.1408
.030	-.0452	
.048	-.0448	
.050		-.2600
.085	-.2638	
.150		-.4983
.177	-.4486	
.250		-.6117
.274	-.5317	
.402	-.5346	
.565	-.5722	
.650		-.7741
.750		-.7534
.760	-.3369	
.808	-.2831	

1A70 01 T12 S1 P2 P6

WING UPPER SURFACE

(RF7043)

MACH (3) = 1.185 ALPHA (8) = 6.649

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4583
.857	-.1932
.903	-.0776
.950	-.3835
.953	.0187

MACH (3) = 1.171 ALPHA (9) = 8.857 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5510	.7441
.020	-.2680	
.030	-.1067	
.048	-.1053	
.050		-.4093
.085	-.3237	
.150		-.6300
.177	-.5214	
.250		-.6892
.274	-.6207	
.402	-.6115	
.565	-.6374	
.650		-.7871
.750		-.6929
.760	-.3917	
.808	-.3476	
.850		-.5804
.857	-.2378	
.903	-.1361	
.950		-.5074
.953	-.0494	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (4) = 1.504 ALPHA (1) = -8.933 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3729	.6124
.020		.7664
.030	.4893	
.048	.4639	
.050		.5931
.085	.3223	
.150		.2635
.177	.2234	
.250		.0803
.274	.0331	
.402	-.0446	
.563	-.1157	
.650		-.1775
.750		-.1929
.760	.2417	
.808	.2558	
.850		-.2436
.857	.2661	
.905	.2810	
.950		.0502
.953	.2903	

MACH (4) = 1.504 ALPHA (2) = -6.635 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4207	.6533
.020		.7231
.030	.4358	
.048	.4076	
.050		.5417
.085	.2473	
.150		.1814
.177	.1403	
.250		.0105
.274	-.0312	
.402	-.1065	
.563	-.1663	
.650		-.2365
.750		-.2543
.760	.1461	
.808	.1461	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (4) = 1.504 ALPHA (2) = -6.635

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.3000
.857	.2171
.905	.2430
.950	-.0851
.953	.2361

MACH (4) = 1.504 ALPHA (3) = -4.383 RUN = 117,000 RN/L = 7,489 BETA = 8.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4795	.7028
.020		.6622
.030	.3728	
.048	.3422	
.050		.4967
.085	.1738	
.150		.1033
.177	.0531	
.250		-.0594
.274	-.0916	
.402	-.1545	
.565	-.2158	
.650		-.2836
.750		-.2990
.760	.0584	
.808	.0949	
.850		-.3488
.857	.1486	
.905	.1959	
.950		-.1868
.953	.2197	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (4) = 1.504 ALPHA (4) = -2.144 RUN = 117.000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4981 .7410

.020 .6354

.030 .3113

.048 .2817

.050 .4506

.085 .1050

.130 .0308

.177 -.0358

.250 -.1209

.274 -.1513

.402 -.2074

.565 -.2371

.650 -.3309

.750 -.3448

.760 -.0067

.808 .0080

.850 -.3835

.857 .0825

.905 .1298

.950 -.2488

.953 .1722

MACH (4) = 1.504 ALPHA (5) = .133 RUN = 117.000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5115 .7784

.020 .5594

.030 .2475

.048 .2207

.050 .3840

.085 .0457

.130 -.0371

.177 -.1028

.250 -.1793

.274 -.2144

.402 -.2757

.565 -.2944

.650 -.3760

.750 -.3882

.760 -.0776

.808 -.0636

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (4) = 1.504 ALPHA (5) = .133

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.4204
.857	-.0253	
.905	.0503	
.950		-.3052
.953	.1166	

MACH (4) = 1.504 ALPHA (6) = 2.368 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5302	.8082
.020		.4576
.030	.2099	
.048	.1821	
.050		.3008
.085	.0025	
.150		-.1014
.177	-.1684	
.250		-.2378
.274	-.2670	
.402	-.3127	
.565	-.3347	
.650		-.4144
.750		-.4211
.760	-.1592	
.808	-.1252	
.850		-.4431
.857	-.1068	
.905	-.0304	
.950		-.3382
.953	.0514	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (4) = 1.504 ALPHA (7) = 4.623 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5608	.8475
.020		.3221
.030	.1626	
.040	.1328	
.050		.2571
.085	-.0409	
.150		-.1486
.177	-.2108	
.250		-.2764
.274	-.3022	
.402	-.3602	
.565	-.3640	
.650		-.4475
.750		-.4530
.760	-.2462	
.808	-.1873	
.850		-.4588
.857	-.1692	
.905	-.1113	
.950		-.3568
.953	-.0282	

MACH (4) = 1.504 ALPHA (8) = 6.851 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5899	.8785
.020		.1968
.030	.1430	
.040	.1114	
.050		.1394
.085	-.0619	
.150		-.1865
.177	-.2443	
.250		-.3128
.274	-.3448	
.402	-.3924	
.565	-.3860	
.650		-.4684
.750		-.4649
.760	-.3120	
.808	-.2640	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7043)

MACH (4) = 1.504 ALPHA (8) = 6.851

SECTION (1) WING UPPER SURFACE -- DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.650	-.4732
.857	-.2251
.905	-.1860
.950	-.3851
.953	-.1097

MACH (4) = 1.504 ALPHA (9) = 9.130 RUN = 117,000 RN/L = 7.489 BETA = 8.713

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.6453	.8777
.020		.0668
.030	.1438	
.048	.1086	
.050		-.0640
.085	-.0682	
.150		-.2739
.177	-.2598	
.250		-.3590
.274	-.3706	
.402	-.4148	
.565	-.4030	
.650		-.4913
.750		-.4897
.760	-.3465	
.808	-.3252	
.850		-.4913
.857	-.2721	
.905	-.2238	
.950		-.4203
.953	-.1502	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.6100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 4.000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-18 = .000 ELV-CB = .000

MACH (1) = .900 ALPHA (1) = -8.596 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1765 .0540
 .020 .4967
 .030 .4269
 .048 .3921
 .050 .3340
 .085 .2903
 .150 -.0122
 .177 .0166
 .250 -.1837
 .274 -.0762
 .402 -.1313
 .565 -.0543
 .650 -.0963
 .750 -.0508
 .760 -.0145
 .808 .0064
 .850 .0375
 .857 .0631
 .905 .0494
 .950 .0158
 .953 -.0111

MACH (1) = .898 ALPHA (2) = -6.423 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2900 .1958
 .020 .4558
 .030 .3723
 .048 .3236
 .050 .2467
 .085 .1993
 .150 -.1434
 .177 -.0908
 .250 -.2768

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U44)

MACH (1) = .898 ALPHA (2) = -6.423

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1732
.402	-.2045
.565	-.0972
.650	-.0960
.750	-.0309
.760	-.0256
.808	-.0010
.850	.0352
.857	.0559
.905	.0456
.950	.0101
.953	-.0113

MACH (1) = .896 ALPHA (3) = -4.269 RUN = 136,000 RN/L 5.956 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3718	.3273
.020		.3857
.030	.3066	
.048	.2479	
.050		.1377
.085	.1019	
.150		-.3007
.177	-.2045	
.250		-.4740
.274	-.2702	
.402	-.2991	
.565	-.1334	
.650		-.0798
.750		-.0393
.760	-.0307	
.808	-.0031	
.850		.0376
.857	.0517	
.905	.0448	
.950		.0101
.953	-.0080	

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1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U44)

MACH (1) = .896 ALPHA (4) = -2.121 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4275	.4512
.020		.2694
.030	.2271	
.048	.1627	
.050		.0127
.085	-.0047	
.150		-.4830
.177	-.3049	
.250		-.5929
.274	-.4237	
.402	-.3617	
.565	-.1802	
.650		-.0717
.750		-.0190
.760	-.0349	
.808	-.0035	
.850		.0461
.857	.0486	
.905	.0443	
.950		.0072
.953	-.0052	

MACH (1) = .897 ALPHA (5) = .023 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4523	.5302
.020		.1118
.030	.1369	
.048	.0713	
.050		-.1220
.085	-.1186	
.150		-.7320
.177	-.3671	
.250		-.8161
.274	-.5834	
.402	-.4045	
.565	-.2087	
.650		-.1079
.750		.0039
.760	-.0362	
.808	-.0018	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU44)

MACH (1) = .897 ALPHA (5) = .023

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		.0630
.857	.0426	
.905	.0433	
.950		.0182
.953	-.0043	

MACH (1) = .898 ALPHA (6) = 2.135 RUN = 136,000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4480	.5576
.020		-.0729
.030	.0362	
.048	-.0246	
.050		-.2509
.085	-.2506	
.150		-.9149
.177	-.4462	
.250		-.9796
.274	-.6824	
.402	-.6758	
.565	-.2408	
.650		-.4653
.750		-.2358
.760	-.0432	
.808	-.0101	
.850		-.0430
.857	.0318	
.905	.0377	
.950		.0289
.953	-.0029	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (1) = .898 ALPHA (7) = 4.306 RUN = 136,000 RN/L = 5,956 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4203	.5389
.020		-.5194
.030	-.0744	
.048	-.1196	
.050		-.3962
.085	-.4327	
.150		-1.0217
.177	-.5187	
.250		-1.0877
.274	-.7598	
.402	-.7896	
.565	-.2966	
.650		-.5725
.750		-.4464
.760	-.0430	
.808	-.0160	
.850		-.3213
.857	.0204	
.905	.0319	
.950		-.2140
.953	.0014	

MACH (1) = .899 ALPHA (8) = 6.443 RUN = 136,000 RN/L = 5,956 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3952	.5016
.020		-.6279
.030	-.1635	
.048	-.1940	
.050		-.5883
.085	-.5014	
.150		-1.0675
.177	-.5479	
.250		-1.0069
.274	-.8094	
.402	-.8440	
.565	-.5638	
.650		-.6009
.750		-.5237
.780	-.0832	
.808	-.0590	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (1) = .899 ALPHA (8) = 6.443

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.850 -.4543

.857 -.0065

.903 .0156

.950 -.3692

.953 -.0035

MACH (1) = .899 ALPHA (9) = 8.598 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .3602 .4501

.020 -.7956

.030 -.2603

.040 -.2691

.050 -.9330

.085 -.5730

.150 -1.1464

.177 -.6738

.250 -1.0720

.274 -.8416

.402 -.8994

.565 -.4382

.650 -.5832

.750 -.5363

.760 -.0850

.808 -.0621

.850 -.4641

.857 -.0094

.903 .0065

.950 -.4441

.953 -.0154

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7044)

MACH (2) = 1.068 ALPHA (1) = -8.784 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2689	.2736
.020		.5638
.030	.4613	
.048	.4309	
.050		.4260
.065	.3447	
.150		.1257
.177	.0616	
.250		-.0261
.274	-.1340	
.402	-.0099	
.565	.0921	
.650		-.0981
.750		-.1204
.760	.0167	
.808	.0747	
.850		.0354
.857	.1709	
.905	.2125	
.950		.1772
.953	.1873	

MACH (2) = 1.101 ALPHA (2) = -6.649 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3673	.3860
.020		.5245
.030	.4133	
.048	.3698	
.050		.3226
.065	.2679	
.150		-.0231
.177	.0202	
.250		-.1856
.274	-.1971	
.402	-.1489	
.565	.1013	
.650		-.1107
.750		-.1126
.760	.0112	
.808	.0238	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (2) = 1.101 ALPHA (2) = -6.649

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		.0263
.857	.1583	
.905	.2090	
.950		.1701
.953	.1871	

MACH (2) = 1.115 ALPHA (3) = -4.442 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4268	.4638
.020		.4659
.030	.3483	
.048	.2963	
.050		.2637
.085	.1440	
.150		-.1232
.177	-.0288	
.250		-.3157
.274	-.2482	
.402	-.3148	
.565	.0576	
.650		-.1890
.750		-.0681
.760	.0083	
.808	-.0231	
.850		.0665
.857	.0607	
.905	.1863	
.950		.1365
.953	.1794	

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U44)

MACH (2) = 1.126 ALPHA (4) = -2.238 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4596	.5413
.020		.4189
.030	.2786	
.048	.2263	
.050		.2044
.085	.0066	
.150		-.2378
.177	-.1038	
.250		-.3948
.274	-.2986	
.402	-.3693	
.565	-.0849	
.650		-.3424
.750		-.2396
.760	.0078	
.808	-.0280	
.850		-.1068
.857	-.0131	
.905	.0711	
.950		-.0012
.953	.1522	

MACH (2) = 1.125 ALPHA (5) = -.024 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4747	.6281
.020		.3317
.030	.1885	
.048	.1455	
.050		.1448
.085	-.0800	
.150		-.3873
.177	-.1845	
.250		-.4934
.274	-.3678	
.402	-.4134	
.565	-.1648	
.650		-.5223
.750		-.2630
.760	.0020	
.808	-.0265	

1A70 . 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U44)

MACH (2) = 1.123 ALPHA (3) = -.024

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.2252
.857	-.0261
.905	.0033
.950	-.2050
.953	.0600

MACH (2) = 1.115 ALPHA (6) = 2.171 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4729	.6850
.020		.1715
.030	.0950	
.040	.0667	
.050		.0320
.085	-.1628	
.150		-.5014
.177	-.2851	
.250		-.6033
.274	-.4273	
.402	-.4569	
.565	-.2141	
.650		-.5968
.750		-.3885
.760	-.0288	
.808	-.0510	
.850		-.3141
.857	-.0503	
.905	-.0342	
.950		-.2844
.953	.0211	

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1A7D 01 T12 S1 P2 P6

WING UPPER SURFACE

(RF7044)

MACH (2) = 1.103 ALPHA (7) = 4.362 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4367	.6578
.020		-.1483
.030	-.0342	
.048	-.0166	
.050		-.1263
.085	-.2607	
.150		-.5836
.177	-.3843	
.250		-.6863
.274	-.4699	
.402	-.4923	
.565	-.3144	
.650		-.7048
.750		-.5356
.760	-.1028	
.808	-.0964	
.850		-.4546
.857	-.0856	
.905	-.0673	
.950		-.4321
.953	-.0298	

MACH (2) = 1.093 ALPHA (8) = 6.550 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3900	.6399
.020		-.3160
.030	-.1505	
.048	-.1167	
.050		-.4235
.085	-.3451	
.150		-.6714
.177	-.4163	
.250		-.7646
.274	-.5174	
.402	-.5464	
.565	-.4993	
.650		-.8036
.750		-.6277
.760	-.1711	
.808	-.1393	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U44)

MACH (2) = 1.093 ALPHA (8) = 6.550

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.5549
.857	-.1211
.905	-.0994
.950	-.5418
.953	-.0773

MACH (2) = 1.085 ALPHA (9) = 8.726 RUN = 144.000 RM/L = 6.667 BETA = 4.321

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3242	.6114
.020		-.4321
.030	-.2361	
.048	-.2048	
.050		-.5715
.085	-.4330	
.150		-.7998
.177	-.4769	
.250		-.8482
.274	-.5653	
.402	-.5872	
.565	-.6332	
.650		-.8978
.750		-.7328
.760	-.2704	
.808	-.2304	
.850		-.6310
.857	-.2142	
.905	-.1801	
.950		-.5998
.953	-.1558	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (3) = 1.195 ALPHA (1) = -8.875 RUN = 79,000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2059	.2973
.020		.6106
.030	.4343	
.048	.4088	
.050		.4446
.085	.3508	
.150		-.0612
.177	.1424	
.250		-.0482
.274	-.0666	
.402	-.1507	
.565	.1595	
.650		.0454
.750		.0150
.760	.1073	
.808	.0662	
.850		.0070
.857	.1829	
.905	.2789	
.950		.1887
.953	.2707	

MACH (3) = 1.207 ALPHA (2) = -6.690 RUN = 79,000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2662	.4136
.020		.5959
.030	.3863	
.048	.3518	
.050		.4006
.085	.2598	
.150		-.1439
.177	.0794	
.250		-.1229
.274	-.1171	
.402	-.2029	
.565	.0480	
.650		-.2726
.750		-.0888
.760	.0974	
.808	.0487	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U44)

MACH (3) = 1.207 ALPHA (2) = -0.690

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .0104

.857 .0600

.905 .1495

.950 .1344

.953 .2341

MACH (3) = 1.216 ALPHA (3) = -4.468 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3380 .5077

.020 .5593

.030 .3416

.048 .2975

.050 .3436

.085 .1384

.150 -.2051

.177 .0337

.250 -.1963

.274 -.1513

.402 -.2405

.565 -.1616

.650 -.4388

.750 -.2152

.760 .0867

.808 .0432

.850 -.0938

.857 .0423

.905 .0522

.950 -.0367

.953 .1398

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (3) = 1.219 ALPHA (4) = -2.262 RUN = 79.000 RN/L = 7.089 BETA = 4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4014	.5844
.020		.4998
.030	.2826	
.048	.2398	
.050		.2835
.085	.0601	
.150		-.2537
.177	-.0437	
.250		-.2777
.274	-.2261	
.402	-.2863	
.565	-.3578	
.650		-.5117
.750		-.4451
.760	.0479	
.808	.0312	
.850		-.1753
.857	.0308	
.905	.0350	
.950		-.1327
.953	.0788	

MACH (3) = 1.218 ALPHA (5) = -.054 RUN = 79.000 RN/L = 7.089 BETA = 4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4157	.6387
.020		.4171
.030	.2145	
.048	.1801	
.050		.2257
.085	-.0084	
.150		-.2528
.177	-.1307	
.250		-.3737
.274	-.3008	
.402	-.3548	
.565	-.4213	
.650		-.5756
.750		-.5104
.760	-.0182	
.808	.0049	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (3) = 1.218 ALPHA (5) = -.054

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2240

.857 .0093

.905 .0192

.950 -.1986

.953 .0510

MACH (3) = 1.211 ALPHA (6) = 2.153 RUN = 79.000 RN/L = 7.099 BETA = 4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4774 .6199

.020 .2985

.030 .1492

.048 .1280

.050 .1448

.085 -.0874

.150 -.2590

.177 -.2324

.250 -.4563

.274 -.3693

.402 -.4136

.565 -.4680

.650 -.6362

.750 -.5252

.760 -.0922

.808 -.0347

.850 -.2592

.857 -.0090

.905 .0068

.950 -.2211

.953 .0379

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (3) = 1.203 ALPHA (7) = 4.355 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4380 .7710

X/C

.000	.4851	.8020
.020		.0157
.030	.0304	
.048	.0332	
.050		.0931
.085	-.1731	
.150		-.2661
.177	-.3353	
.250		-.5393
.274	-.4413	
.402	-.4718	
.565	-.5039	
.650		-.6918
.750		-.4740
.760	-.1717	
.808	-.0928	
.850		-.3551
.857	-.0418	
.905	-.0114	
.950		-.3270
.953	.0214	

MACH (3) = 1.194 ALPHA (8) = 6.558 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4380 .7710

X/C

.000	.4077	.7103
.020		-.0212
.030	-.0908	
.048	-.0908	
.050		.0639
.085	-.2667	
.150		-.2749
.177	-.4116	
.250		-.6148
.274	-.4958	
.402	-.5155	
.565	-.5344	
.650		-.7332
.750		-.5322
.760	-.2359	
.808	-.1538	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (3) = 1.194 ALPHA (8) = 6.556

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4138

.837 -.0932

.905 -.0486

.950 -.3880

.953 -.0121

MACH (3) = 1.163 ALPHA (9) = 8.775 RUN = 79.000 RM/L = - 7.089 BETA = 4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3818 .6863

.020 -.2915

.030 -.1811

.048 -.1804

.050 -.4229

.085 -.3804

.150 -.6218

.177 -.5220

.250 -.6886

.274 -.5520

.402 -.5608

.565 -.5679

.650 -.7689

.750 -.6425

.760 -.2933

.808 -.2111

.850 -.5264

.857 -.1582

.905 -.0965

.950 -.4719

.953 -.0561

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (4) = 1.504 ALPHA (1) = -8.886 RUN = 116,000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2495	.4518
.020		.6681
.030	.4005	
.048	.3801	
.050		.5157
.085	.2664	
.150		.2159
.177	.1933	
.250		.0502
.274	.0063	
.402	-.0719	
.565	-.1340	
.650		-.1810
.750		-.1969
.760	.2009	
.808	.1981	
.850		-.2364
.857	.1961	
.905	.2032	
.950		.0491
.953	.2175	

MACH (4) = 1.504 ALPHA (2) = -6.635 RUN = 116,000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3097	.5165
.020		.6457
.030	.3500	
.048	.3261	
.050		.4774
.085	.1950	
.150		.1429
.177	.1216	
.250		-.0109
.274	-.0477	
.402	-.1190	
.565	-.1873	
.650		-.2446
.750		-.2466
.760	.1194	
.808	.1396	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (4) = 1.504 ALPHA (2) = -6.635

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .3034

.857 .1549

.905 .1667

.950 -.0916

.953 .1787

MACH (4) = 1.504 ALPHA (3) = -4.400 RUN = 116.000 RM/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3473 .5603

.020 .6136

.030 .3100

.048 .2863

.050 .4366

.085 .1436

.150 .0762

.177 .0466

.250 -.0732

.274 -.1022

.402 -.1734

.565 -.2383

.650 -.2902

.750 -.3057

.760 .0334

.808 .0703

.850 -.3507

.857 .1053

.905 .1361

.950 -.1828

.953 .1488

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U44)

MACH (4) = 1.504 ALPHA (4) = -2.153 RUN = 116.000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3805	.6064
.020		.5749
.030	.2519	
.048	.2293	
.050		.3918
.085	.0786	
.150		.0091
.177	-.0262	
.250		-.1375
.274	-.1515	
.402	-.2194	
.565	-.2778	
.650		-.3300
.750		-.3438
.760	-.0367	
.800	-.0137	
.850		-.3869
.857	.0364	
.905	.0890	
.950		-.2564
.953	.1175	

MACH (4) = 1.504 ALPHA (5) = .087 RUN = 116.000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4057	.6795
.020		.5029
.030	.1942	
.048	.1739	
.050		.3380
.085	.0181	
.150		-.0637
.177	-.0963	
.250		-.1965
.274	-.1983	
.402	-.2615	
.565	-.3068	
.650		-.3768
.750		-.3881
.760	-.0934	
.803	-.0787	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7044)

MACH (4) = 1.504 ALPHA (5) = .087

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.4190
.857	-.0332	
.905	.0328	
.950		-.3032
.953	.0793	

MACH (4) = 1.504 ALPHA (6) = 2.321 RUN = 116.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4272	.7158
.020		.3906
.030	.1419	
.048	.1247	
.050		.2521
.065	-.0318	
.150		-.1292
.177	-.1604	
.250		-.2532
.274	-.2497	
.402	-.3011	
.565	-.3308	
.650		-.4162
.750		-.4252
.760	-.1594	
.808	-.1291	
.850		-.4505
.857	-.1035	
.905	-.0360	
.950		-.3489
.953	.0280	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RFTU44)

MACH (4) = 1.504 ALPHA (7) = 4.557 RUN = 116.000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4382	.7471
.020		.2034
.030	.0867	
.048	.0649	
.050		.1779
.085	-.0860	
.150		-.1926
.177	-.2276	
.250		-.3056
.274	-.2990	
.402	-.3385	
.565	-.3558	
.650		-.4547
.750		-.4586
.760	-.2308	
.808	-.1849	
.850		-.4700
.857	-.1667	
.905	-.1034	
.950		-.3755
.953	-.0330	

MACH (4) = 1.504 ALPHA (8) = 6.762 RUN = 116.000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4348	.7752
.020		.1096
.030	.0373	
.048	.0190	
.050		.0285
.085	-.1302	
.150		-.2421
.177	-.2840	
.250		-.3325
.274	-.3728	
.402	-.3990	
.565	-.3844	
.650		-.4880
.750		-.4883
.760	-.3039	
.808	-.2483	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U44)

MACH (4) = 1.504 ALPHA (8) = 6.762

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4935
.857	-.2101
.905	-.1499
.950	-.4117
.953	-.0760

MACH (4) = 1.504 ALPHA (9) = 9.001 RUN = 116.000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4946	.7876
.020		.0269
.030	.0263	
.048	.0077	
.050		-.0988
.085	-.1493	
.150		-.3043
.177	-.3044	
.250		-.3869
.274	-.4018	
.402	-.4396	
.565	-.4301	
.650		-.5071
.750		-.5050
.760	-.3646	
.808	-.3276	
.850		-.5112
.857	-.2772	
.905	-.2194	
.950		-.4463
.953	-.1200	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P6

WING UPPER SURFACE

(RF7045) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2890.0000 SQ.FT. XMRP = 1076.6800 IN. XO.
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-18 = .000 ELV-C8 = .000

MACH (1) = .901 ALPHA (1) = -8.587 RUN = 138.000 RN/L = 5.989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1081 -.0929
 .020 .4305
 .030 .4044
 .048 .3816
 .050 .3038
 .085 .3010
 .150 -.0066
 .177 .0469
 .250 -.1846
 .274 -.0575
 .402 -.1424
 .565 -.1260
 .650 -.1420
 .750 -.0988
 .760 -.0884
 .808 -.0503
 .850 .0055
 .857 .0168
 .905 .0156
 .950 -.0093
 .953 -.0294

MACH (1) = .897 ALPHA (2) = -6.430 RUN = 138.000 RN/L = 5.989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2172 .0595
 .020 .4034
 .030 .3557
 .048 .3198
 .050 .2254
 .085 .2201
 .150 -.1213
 .177 -.0468
 .250 -.2655

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7045)

MACH (1) = .897 ALPHA (2) = -6.430

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1387	
.402	-.2088	
.565	-.1773	
.650		-.1380
.750		-.0879
.760	-.1033	
.808	-.0598	
.850		.0064
.857	.0095	
.905	.0115	
.950		-.0111
.953	-.0318	

MACH (1) = .898 ALPHA (3) = -4.286 RUN = 138,000 RN/L = 5,989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3062	.1966
.020		.3575
.030	.3053	
.048	.2580	
.050		.1394
.085	.1381	
.150		-.2438
.177	-.1441	
.250		-.3820
.274	-.2223	
.402	-.2843	
.565	-.2215	
.650		-.1638
.750		-.0686
.760	-.1177	
.808	-.0657	
.850		.0123
.857	.0042	
.905	.0091	
.950		-.0182
.953	-.0317	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(REFU43)

MACH (1) = .899 ALPHA (4) = -2.148 RUN = 138,000 RN/L = 5.989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3686 .3352

.020 .2697

.030 .2383

.048 .1829

.050 .0258

.085 .0442

.150 -.3634

.177 -.2511

.250 -.5693

.274 -.3783

.402 -.3417

.565 -.2661

.650 -.2419

.750 -.0593

.760 -.1356

.808 -.0708

.850 .0240

.857 .0005

.905 .0086

.950 -.0142

.953 -.0282

MACH (1) = .898 ALPHA (5) = .000 RUN = 138,000 RN/L = 5.989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3985 .4346

.020 .1222

.030 .1492

.048 .0910

.050 -.1056

.085 -.0657

.150 -.6031

.177 -.3363

.250 -.6407

.274 -.4845

.402 -.4012

.565 -.3000

.650 -.3322

.750 -.0791

.760 -.1788

.808 -.0786

1A7D 01 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U43)

MACH (1) = .898 ALPHA (5) = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 .0307

.857 -.0110

.903 .0066

.950 .0011

.953 -.0235

MACH (1) = .898 ALPHA (6) = 2.140 RUN = 138,000 RN/L = 5.989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3959 .4794

.020 -.0525

.030 .0525

.048 -.0036

.050 -.2323

.085 -.1610

.150 -.8476

.177 -.4081

.250 -.8964

.274 -.6146

.402 -.4211

.565 -.3425

.650 -.3362

.750 -.1140

.760 -.2445

.808 -.0998

.850 .0138

.857 -.0257

.905 -.0025

.950 -.0065

.953 -.0235

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (1) = .899 ALPHA (7) = 4.287 RUN = 138.000 RN/L = 5.989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3729	.4756
.020		-.2566
.030	-.0408	
.048	-.0883	
.050		-.3703
.085	-.3409	
.150		-.9906
.177	-.4716	
.250		-1.0505
.274	-.6952	
.402	-.6937	
.565	-.3724	
.650		-.5872
.750		-.3620
.760	-.2308	
.808	-.1174	
.850		-.1711
.857	-.0476	
.905	-.0194	
.950		-.0732
.953	-.0341	

MACH (1) = .899 ALPHA (8) = 6.435 RUN = 138.000 RN/L = 5.989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3406	.4357
.020		-.5383
.030	-.1303	
.048	-.1647	
.050		-.5128
.085	-.4576	
.150		-1.0725
.177	-.5235	
.250		-1.1047
.274	-.7588	
.402	-.7035	
.565	-.3928	
.650		-.5971
.750		-.4957
.760	-.1781	
.808	-.1159	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (1) = .899 ALPHA (8) = 8.435

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.4123

.857 -.0818

.905 -.0317

.950 -.3296

.953 -.0404

MACH (1) = .899 ALPHA (9) = 8.568 RUN = 130.000 RN/L = 5.989 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2887 .3688

.020 -.7932

.030 -.2333

.048 -.2481

.050 -.8330

.085 -.5335

.130 -1.0979

.177 -.5597

.230 -1.0402

.274 -.8069

.402 -.8485

.565 -.4087

.650 -.5960

.730 -.5349

.760 -.1836

.808 -.1397

.850 -.4729

.857 -.0745

.905 -.0390

.950 -.4237

.953 -.0415

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7045)

MACH (2) = 1.091 ALPHA (1) = -8.816 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1991	.1094
.020		.5324
.030	.4448	
.048	.4317	
.050		.4231
.085	.3791	
.130		.1707
.177	.1288	
.250		.0487
.274	.0453	
.402	.0283	
.565	.0501	
.650		-.0985
.750		-.1529
.760	-.0599	
.808	-.1032	
.850		-.2682
.857	.0155	
.905	.1281	
.950		.0288
.953	.1505	

MACH (2) = 1.105 ALPHA (2) = -6.599 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3101	.2627
.020		.5252
.030	.3884	
.048	.3602	
.050		.3749
.085	.2944	
.130		.1024
.177	.0456	
.250		-.0392
.274	-.1120	
.402	-.0006	
.565	.0493	
.650		-.1109
.750		-.1489
.760	-.0483	
.808	-.0899	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (2) = 1.105 ALPHA (2) = -6.599

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 -.2540

.657 -.0283

.905 .0942

.950 .0349

.953 .1337

MACH (2) = 1.119 ALPHA (3) = -4.416 RUN = 143.000 RM/L = 6.678 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3699 .3538

.020 .4394

.030 .3300

.048 .2888

.050 .2456

.085 .1983

.150 -.0919

.177 .0017

.250 -.2722

.274 -.2094

.402 -.2210

.565 .0455

.650 -.1160

.750 -.1335

.760 -.0381

.808 -.0802

.850 -.1133

.857 -.0517

.905 .0379

.950 .0784

.953 .1098

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU45)

MACH (2) = 1.132 ALPHA (4) = -2.215 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZT/B .4360 .7710

X/C

.000 .4066 .4400

.020 .3869

.030 .2658

.048 .2238

.050 .1840

.065 .0440

.150 -.1977

.177 -.0438

.250 -.3559

.274 -.2417

.402 -.3196

.565 -.0088

.650 -.2172

.750 -.0979

.760 -.0403

.808 -.0838

.850 .0134

.857 -.0782

.905 -.0472

.950 .1072

.953 .0316

MACH (2) = 1.138 ALPHA (5) = .000 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZT/B .4360 .7710

X/C

.000 .4366 .5134

.020 .3066

.030 .2112

.048 .1737

.050 .1287

.065 -.0284

.150 -.3215

.177 -.1095

.250 -.4314

.274 -.2930

.402 -.3545

.565 -.1107

.650 -.3750

.750 -.2560

.760 -.0434

.808 -.0862

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (2) = 1.138 ALPHA (5) = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1020

.857 -.0902

.905 -.0781

.950 .0374

.953 -.0120

MACH (2) = 1.130 ALPHA (6) = 2.201 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4188 .5921

.020 .1930

.030 .1176

.048 .0964

.050 .0462

.085 -.1045

.150 -.4633

.177 -.1878

.250 -.5441

.274 -.3523

.402 -.4053

.565 -.1835

.650 -.5107

.750 -.3150

.760 -.0601

.808 -.0986

.850 -.2371

.857 -.1093

.905 -.1059

.950 -.1326

.953 -.0648

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7045)

MACH (2) = 1.119 ALPHA (7) = 4.393 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3742	.6065
.020		-.0300
.030	-.0009	
.040	.0208	
.050		-.0755
.065	-.1919	
.150		-.5587
.177	-.2647	
.250		-.6466
.274	-.4167	
.402	-.4502	
.565	-.2465	
.650		-.6318
.750		-.3994
.760	-.0976	
.808	-.1176	
.850		-.2922
.857	-.1268	
.905	-.1231	
.950		-.2908
.953	-.0928	

MACH (2) = 1.110 ALPHA (8) = 6.593 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3228	.5935
.020		-.2841
.030	-.0937	
.040	-.0518	
.050		-.3420
.065	-.2593	
.150		-.6124
.177	-.3249	
.250		-.7164
.274	-.4735	
.402	-.4966	
.565	-.3311	
.650		-.7524
.750		-.5851
.760	-.1246	
.808	-.1478	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (2) = 1.110 ALPHA (8) = 8.593

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4731

.857 -.1651

.905 -.1600

.950 -.4320

.953 -.1414

MACH (2) = 1.103 ALPHA (9) = 8.795 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2200 .5730

.020 -.3962

.030 -.1892

.048 -.1495

.050 -.5206

.085 -.3326

.150 -.7266

.177 -.3848

.250 -.7970

.274 -.5167

.402 -.5365

.565 -.4776

.650 -.8475

.750 -.6838

.760 -.1808

.808 -.1936

.850 -.6111

.857 -.2125

.905 -.2100

.950 -.5810

.953 -.1858

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7045)

MACH (3) = 1.200 ALPHA (1) = -8.813 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1363	.1836
.020		.5499
.030	.3687	
.048	.3361	
.050		.4123
.085	.3411	
.150		.1633
.177	.1554	
.250		-.0299
.274	-.0457	
.402	-.1043	
.565	.1502	
.650		.0206
.750		-.0309
.760	.0671	
.808	.0095	
.850		-.1307
.857	.0293	
.905	.1591	
.950		.1042
.953	.2332	

MACH (3) = 1.212 ALPHA (2) = -6.539 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2360	.2314
.020		.5305
.030	.3392	
.048	.3147	
.050		.3593
.085	.2634	
.150		-.0507
.177	.1048	
.250		-.0996
.274	-.0790	
.402	-.1710	
.565	.1053	
.650		.0119
.750		-.0294
.760	.0597	
.808	.0054	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (3) = 1.212 ALPHA (2) = -6.539

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.0929
.857	.0041	
.903	.0525	
.950		.1083
.953	.1691	

MACH (3) = 1.217 ALPHA (3) = -4.339 RUN = 78.000 RM/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3569	.2330
.020		.4871
.030	.3215	
.048	.2810	
.050		.3015
.085	.1441	
.150		-.0424
.177	.0472	
.250		-.1893
.274	-.1324	
.402	-.2131	
.565	.0023	
.650		-.2043
.750		-.1111
.780	.0439	
.808	-.0085	
.850		-.0130
.857	-.0135	
.903	.0005	
.950		.0901
.953	.0932	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (3) = 1.222 ALPHA (4) = -2.146 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3965	.2325
.020		.4373
.030	.2710	
.048	.2330	
.050		.2443
.085	.0676	
.150		-.0374
.177	-.0069	
.230		-.2638
.274	-.1738	
.402	-.2582	
.565	-.1848	
.650		-.4595
.750		-.2168
.760	.0314	
.808	-.0161	
.850		-.1225
.857	-.0288	
.905	-.0266	
.950		-.0103
.953	.0304	

MACH (3) = 1.225 ALPHA (5) = .057 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4197	.2302
.020		.3633
.030	.2097	
.048	.1786	
.050		.1760
.085	-.0006	
.150		-.0346
.177	-.0724	
.250		-.3426
.274	-.2498	
.402	-.3025	
.565	-.3560	
.650		-.5295
.750		-.3102
.760	.0079	
.808	-.0256	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (3) = 1.225 ALPHA (5) = .057

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.850		-.1752
.857	-.0419	
.905	-.0453	
.950		-.1380
.953	-.0075	

MACH (3) = 1.218 ALPHA (6) = 2.264 RUN = 78,000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4159	.2183
.020		.2433
.030	.1186	
.048	.1032	
.050		.0882
.085	-.0869	
.150		-.0434
.177	-.1625	
.250		-.4466
.274	-.3092	
.402	-.3557	
.565	-.4173	
.650		-.5885
.750		-.3423
.760	-.0327	
.808	-.0431	
.850		-.2340
.857	-.0552	
.905	-.0571	
.950		-.2345
.953	-.0301	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7045)

MACH (3) = 1.210 ALPHA (7) = 4.475 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3764	.2040
.020		-.0151
.030	.0043	
.048	.0097	
.050		-.0120
.085	-.1746	
.150		-.0344
.177	-.2607	
.250		-.5210
.274	-.3652	
.402	-.4123	
.565	-.4574	
.650		-.6659
.750		-.4026
.760	-.0988	
.808	-.0792	
.850		-.2772
.857	-.0745	
.905	-.0689	
.950		-.2842
.953	-.0477	

MACH (3) = 1.201 ALPHA (8) = 6.680 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3171	.1913
.020		-.1777
.030	-.0970	
.048	-.0966	
.050		-.2502
.085	-.2614	
.150		-.0645
.177	-.3566	
.250		-.5957
.274	-.4201	
.402	-.4503	
.565	-.4959	
.650		-.7284
.750		-.5281
.760	-.1591	
.808	-.1163	

1A70 O1 T12 S1 P2 P0 WING UPPER SURFACE (RF7045)

MACH (3) = 1.201 ALPHA (8) = 6.680

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3917

.857 -.0985

.905 -.0902

.950 -.3975

.953 -.0700

MACH (3) = 1.193 ALPHA (9) = 8.870 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1918 .1802

.020 -.2938

.030 -.2322

.048 -.2055

.050 -.4132

.085 -.3605

.150 -.0735

.177 -.4475

.250 -.6665

.274 -.4719

.402 -.4852

.565 -.5311

.650 -.7828

.750 -.6462

.760 -.1954

.808 -.1530

.850 -.5073

.857 -.1394

.905 -.1290

.950 -.4662

.953 -.1047

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P6

WING UPPER SURFACE

(RFTU45)

MACH (4) = 1.504 ALPHA (1) = -6.863 RUN = 115,000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1344	.2690
.020		.5686
.030	.3309	
.048	.3186	
.050		.4445
.065	.2327	
.150		.1671
.177	.1710	
.250		.0360
.274	.0025	
.402	-.0718	
.565	-.1360	
.650		-.1604
.750		-.1750
.760	.1969	
.808	.1716	
.850		-.0162
.857	.1525	
.905	.1556	
.950		.1306
.953	.1608	

MACH (4) = 1.504 ALPHA (2) = -6.636 RUN = 115,000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1754	.3466
.020		.5500
.030	.2839	
.048	.2678	
.050		.4010
.065	.1676	
.150		.1214
.177	.1080	
.250		-.0236
.274	-.0467	
.402	-.1207	
.565	-.1834	
.650		-.2184
.750		-.2253
.760	.1380	
.808	.1261	

1A70 - 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U45)

MACH (4) = 1.504 ALPHA (2) = -6.636

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2515

.857 .1223

.905 .1186

.950 .0008

.953 .1282

MACH (4) = 1.504 ALPHA (3) = -4.432 RUN = 115,000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2248 .4029

.020 .5212

.030 .2359

.048 .2179

.050 .3577

.085 .1052

.150 .0524

.177 .0433

.250 -.0831

.274 -.0959

.402 -.1646

.565 -.2283

.650 -.2699

.750 -.2765

.760 .0647

.808 .0791

.850 -.3240

.857 .0830

.905 .0877

.950 -.0981

.953 .0939

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U43)

MACH (4) = 1.504 ALPHA (4) = -2.190 RUN = 115.000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2851	.5009
.020		.5027
.030	.1962	
.048	.1752	
.050		.3312
.085	.0441	
.150		-.0203
.177	-.0301	
.250		-.1512
.274	-.1460	
.402	-.2081	
.565	-.2690	
.650		-.3217
.750		-.3329
.760	-.0046	
.808	.0284	
.850		-.3699
.857	.0481	
.905	.0671	
.950		-.1931
.953	.0761	

MACH (4) = 1.504 ALPHA (5) = .054 RUN = 115.000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3275	.5609
.020		.4409
.030	.1559	
.048	.1396	
.050		.2846
.085	.0020	
.150		-.0879
.177	-.0933	
.250		-.2120
.274	-.1923	
.402	-.2476	
.565	-.2998	
.650		-.3736
.750		-.3806
.760	-.0725	
.808	-.0342	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7045)

MACH (4) = 1.504 ALPHA (5) = .054

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.4122
.857	.0085	
.905	.0414	
.950		-.2447
.953	.0563	

MACH (4) = 1.504 ALPHA (6) = 2.270 RUN = 115.000 RIN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3580	.8078
.020		.3336
.030	.1143	
.048	.1006	
.050		.2168
.085	-.0411	
.150		-.1505
.177	-.1509	
.250		-.2648
.274	-.2364	
.402	-.2857	
.565	-.3255	
.650		-.4149
.750		-.4236
.760	-.1226	
.808	-.1029	
.850		-.4462
.857	-.0486	
.905	.0062	
.950		-.2582
.953	.0356	

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TABULATED PRESSURE DATA - 1A70

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WING UPPER SURFACE

(RF7045)

MACH (4) = 1.504 ALPHA (7) = 4.499 RUN = .115,000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3236	.6473
.020		.1268
.030	.0452	
.040	.0426	
.050		.1304
.065	-.0956	
.150		-.2163
.177	-.2125	
.250		-.3203
.274	-.2857	
.402	-.3239	
.565	-.3514	
.650		-.4536
.750		-.4609
.760	-.1785	
.808	-.1648	
.850		-.4669
.857	-.1173	
.905	-.0458	
.950		-.2614
.953	.0028	

MACH (4) = 1.504 ALPHA (8) = 6.711 RUN = .115,000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3243	.6645
.020		.0271
.030	-.0765	
.040	-.0584	
.050		-.0607
.065	-.1706	
.150		-.2781
.177	-.2686	
.250		-.3740
.274	-.3269	
.402	-.3577	
.565	-.3760	
.650		-.4872
.750		-.4880
.760	-.2354	
.808	-.2159	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7045)

MACH (4) = 1.504 ALPHA (8) = 6.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4367

.857 -.1753

.905 -.0971

.950 -.3017

.953 -.0410

MACH (4) = 1.504 ALPHA (9) = 8.923 RUN = 115.000 RM/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3193 .6721

.020 -.0471

.030 -.1343

.048 -.1099

.050 -.1703

.085 -.2283

.150 -.3388

.177 -.3494

.250 -.4193

.274 -.3963

.402 -.3898

.565 -.4051

.650 -.5205

.750 -.5171

.760 -.2913

.808 -.2586

.850 -.4857

.857 -.2231

.905 -.1423

.950 -.3469

.953 -.0891

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WING UPPER SURFACE

(RFTU46) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2880.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.8800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -4.000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-C8 = .000

MACH (1) = .900 ALPHA (1) = -8.603 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0738 -.2331
 .020 .3838
 .030 .3868
 .048 .3527
 .050 .2738
 .085 .2897
 .150 .0000
 .177 .0738
 .250 -.1750
 .274 -.0315
 .402 -.1388
 .565 -.1943
 .650 -.2334
 .750 -.1259
 .760 -.1621
 .808 -.1134
 .850 -.0128
 .857 -.0340
 .905 -.0312
 .950 -.0210
 .953 -.0675

MACH (1) = .897 ALPHA (2) = -8.432 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1725 -.0770
 .020 .3506
 .030 .3317
 .048 .3051
 .050 .2113
 .085 .2238
 .150 -.0989
 .177 -.0128
 .250 -.2319

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7046)

MACH (1) = .897 ALPHA (2) = -6.432

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1038
.402	-.1994
.565	-.2418
.650	-.3735
.750	-.1139
.760	-.1973
.808	-.1260
.850	-.0080
.857	-.0434
.905	-.0310
.950	-.0198
.953	-.0625

MACH (1) = .898 ALPHA (3) = -4.290 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2454	.0747
.020		.3165
.030	.2836	
.048	.2482	
.050		.1302
.085	.1524	
.150		-.2149
.177	-.0963	
.250		-.3240
.274	-.1760	
.402	-.2565	
.565	-.2705	
.650		-.4811
.750		-.1815
.760	-.3047	
.808	-.1619	
.850		-.0086
.857	-.0601	
.905	-.0333	
.950		-.0167
.953	-.0568	

1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7046)

MACH (1) = .898 ALPHA (4) = -2.131 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2677	.2261
.020		.2469
.030	.2187	
.048	.1780	
.050		.0265
.085	.0703	
.150		-.3574
.177	-.1863	
.250		-.4649
.274	-.2490	
.402	-.3087	
.565	-.3123	
.650		-.4949
.750		-.3291
.760	-.4138	
.808	-.2470	
.850		-.0407
.857	-.0867	
.905	-.0441	
.950		-.0262
.953	-.0584	

MACH (1) = .899 ALPHA (5) = .002 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2640	.3400
.020		.1322
.030	.1340	
.048	.0938	
.050		-.0949
.085	-.0216	
.150		-.4822
.177	-.2730	
.250		-.6291
.274	-.3626	
.402	-.3599	
.565	-.3350	
.650		-.5293
.750		-.3587
.760	-.4434	
.808	-.3353	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (1) = .899 ALPHA (5) = .002

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.0663
.857	-.1255
.905	-.0601
.950	-.0363
.953	-.0623

MACH (1) = .900 ALPHA (6) = 2.142 RUN = 139.000 RN/L = 3.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2311	.4030
.020		-.0292
.030	.0319	
.048	-.0042	
.050		-.2102
.085	-.1273	
.150		-.6994
.177	-.3588	
.250		-.6797
.274	-.4647	
.402	-.4080	
.565	-.3750	
.650		-.5854
.750		-.3327
.760	-.4534	
.808	-.3686	
.850		-.1069
.857	-.1662	
.905	-.0827	
.950		-.0583
.953	-.0707	

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1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7046)

MACH (1) = .900 ALPHA (7) = 4.291 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1835	.4100
.020		-.2244
.030	-.0639	
.048	-.0934	
.050		-.3422
.085	-.2280	
.150		-.9327
.177	-.4379	
.250		-.9390
.274	-.3750	
.402	-.4538	
.565	-.4061	
.650		-.5039
.750		-.2498
.760	-.4383	
.808	-.3042	
.850		-.1207
.857	-.1472	
.905	-.0777	
.950		-.0778
.953	-.0665	

MACH (1) = .899 ALPHA (8) = 6.437 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1637	.3760
.020		-.4782
.030	-.1484	
.048	-.1705	
.050		-.4875
.085	-.3255	
.150		-1.0562
.177	-.5077	
.250		-1.1072
.274	-.6567	
.402	-.5697	
.565	-.4313	
.650		-.5235
.750		-.3888
.760	-.3689	
.808	-.2253	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (1) = .899 ALPHA (8) = 6.437

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2739

.857 -.1149

.903 -.0679

.950 -.1986

.953 -.0616

MACH (1) = .899 ALPHA (9) = 8.570 RUN = 139.000 RN/L = 3.944 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1099 .2923

.020 -.7663

.030 -.2473

.048 -.2556

.050 -.6731

.065 -.4305

.150 -1.1178

.177 -.5710

.250 -1.1178

.274 -.7169

.402 -.7128

.565 -.4496

.650 -.5530

.750 -.4941

.760 -.2795

.808 -.2042

.850 -.4204

.857 -.1211

.903 -.0822

.950 -.3460

.953 -.0795

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P3

WING UPPER SURFACE

(RF7046)

MACH (2) = 1.085 ALPHA (1) = -8.855 RUN = 142.000 RNL = 6.600 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1188	-.0775
.020		.4612
.030	.3886	
.048	.3936	
.050		.4032
.085	.3735	
.150		.1939
.177	.1764	
.250		.0719
.274	.1075	
.402	.0488	
.565	.0069	
.650		-.1053
.750		-.1827
.760	-.1053	
.808	-.1622	
.850		-.3376
.857	-.1290	
.905	.0309	
.950		-.0412
.953	.1077	

MACH (2) = 1.103 ALPHA (2) = -8.631 RUN = 142.000 RNL = 6.600 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2070	.0920
.020		.4650
.030	.3435	
.048	.3316	
.050		.3555
.085	.2971	
.150		.1338
.177	.0733	
.250		.0191
.274	.0107	
.402	.0172	
.565	.0020	
.650		-.1222
.750		-.1768
.760	-.0957	
.808	-.1497	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7046)

MACH (2) = 1.103 ALPHA (2) = -6.631

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.3183
.857	-.1381	
.905	-.0455	
.950		-.0424
.953	.0484	

MACH (2) = 1.119 ALPHA (3) = -4.446 RUN = 142.000 RN/L = 6.600 BETA -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2747	.2368
.020		.4208
.030	.2924	
.048	.2730	
.050		.2793
.085	.2290	
.150		.0580
.177	.0282	
.250		-.0926
.274	-.1499	
.402	.0257	
.565	-.0321	
.650		-.1674
.750		-.1828
.760	-.0919	
.808	-.1453	
.850		-.2929
.857	-.1414	
.905	-.1107	
.950		-.0325
.953	-.0059	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7046)

MACH (2) = 1.129 ALPHA (4) = -2.254 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2956	.3439
.020		.3557
.030	.2292	
.048	.1995	
.050		.1707
.085	.1222	
.150		-.1624
.177	-.0253	
.250		-.2976
.274	-.2131	
.402	-.1546	
.565	-.0290	
.650		-.1970
.750		-.1895
.760	-.0881	
.808	-.1380	
.850		-.2259
.857	-.1367	
.905	-.1175	
.950		.0058
.953	-.0431	

MACH (2) = 1.127 ALPHA (5) = -.044 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2963	.4166
.020		.2753
.030	.1629	
.048	.1343	
.050		.0901
.085	.0275	
.150		-.2997
.177	-.0871	
.250		-.4125
.274	-.2451	
.402	-.2998	
.565	-.0727	
.650		-.2070
.750		-.1646
.780	-.1079	
.808	-.1519	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7046)

MACH (2) = 1.127 ALPHA (5) = -.044

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .0921

.857 -.1564

.903 -.1320

.950 .0368

.953 -.0939

MACH (2) = 1.117 ALPHA (6) = 2.145 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2778 .4759

.020 .1699

.030 .0981

.048 .0752

.050 .0050

.085 -.0410

.150 -.4437

.177 -.1472

.250 -.5069

.274 -.2967

.402 -.3657

.565 -.1296

.650 -.3611

.750 -.2257

.760 -.1337

.808 -.1723

.850 -.0851

.857 -.1765

.905 -.1767

.950 .0286

.953 -.1324

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7046)

MACH (2) = 1.108 ALPHA (7) = 4.335 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2244	.4983
.020		.0119
.030	.0104	
.048	-.0100	
.050		-.1005
.085	-.1353	
.150		-.5645
.177	-.2350	
.250		-.6302
.274	-.3583	
.402	-.4223	
.565	-.1754	
.650		-.4417
.750		-.3323
.760	-.1613	
.808	-.1966	
.850		-.1961
.857	-.1990	
.905	-.1952	
.950		-.0645
.953	-.1599	

MACH (2) = 1.096 ALPHA (8) = 6.516 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1237	.4979
.020		-.2442
.030	-.0945	
.048	-.1028	
.050		-.1930
.085	-.2111	
.150		-.6372
.177	-.3015	
.250		-.7209
.274	-.4018	
.402	-.4569	
.565	-.2110	
.650		-.5238
.750		-.3418
.760	-.2001	
.808	-.2314	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (2) = 1.096 ALPHA (8) = 6.516

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830	-.2785
.857	-.2309
.905	-.2210
.950	-.1859
.953	-.1909

MACH (2) = 1.088 ALPHA (9) = 8.725 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0240	.4949
.020		-.4140
.030	-.2196	
.048	-.2045	
.050		-.5018
.085	-.2876	
.150		-.6940
.177	-.3596	
.250		-.7777
.274	-.4344	
.402	-.4633	
.565	-.2550	
.650		-.7675
.750		-.5209
.760	-.2561	
.808	-.2816	
.850		-.3842
.857	-.2785	
.905	-.2669	
.950		-.2356
.953	-.2366	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7046)

MACH (3) = 1.195 ALPHA (1) = -8.847 RUN = 80,000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0720 .0380

.020 .4784

.030 .3030

.048 .2994

.050 .4242

.085 .3090

.150 .2493

.177 .1552

.250 -.2253

.274 -.0304

.402 .1836

.565 .0802

.650 .0043

.750 -.0610

.760 .0178

.808 -.0418

.850 -.1846

.887 -.0551

.905 .0169

.950 .0461

.953 .1370

MACH (3) = 1.207 ALPHA (2) = -6.630 RUN = 80,000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2031 .1429

.020 .4370

.030 .3173

.048 .2931

.050 .3104

.085 .2502

.150 .1059

.177 .1132

.250 -.2058

.274 -.0492

.402 -.1122

.565 .0656

.650 -.0248

.750 -.0701

.760 .0197

.808 -.0387

1A70 O1 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U48)

MACH (3) = 1.207 ALPHA (2) = -6.630

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .1792

.857 -.0500

.905 -.0205

.950 .0373

.953 .0959

MACH (3) = 1.215 ALPHA (3) = -4.401 RUN = 80.000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2439 .2645

.020 .4214

.030 .2667

.048 .2434

.050 .2680

.085 .1765

.150 .0083

.177 .0563

.250 -.1931

.274 -.1148

.402 -.1940

.565 .0268

.650 -.0374

.750 -.0707

.760 .0090

.808 -.0466

.850 -.1489

.857 -.0636

.905 -.0515

.950 .0494

.953 .0341

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU46)

MACH (3) = 1.216 ALPHA (4) = -2.182 RUN = 80.000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2882	.3800
.020		.3793
.030	.2280	
.048	.2026	
.050		.2102
.085	.1014	
.150		-.0936
.177	.0041	
.250		-.1866
.274	-.1598	
.402	-.2360	
.565	-.0506	
.650		-.1732
.750		-.0987
.760	-.0109	
.808	-.0657	
.850		-.0895
.857	-.0777	
.905	-.0765	
.950		.0626
.953	-.0200	

MACH (3) = 1.217 ALPHA (5) = .022 RUN = 80.000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2941	.4258
.020		.3200
.030	.1727	
.048	.1471	
.050		.1460
.085	.0386	
.150		-.2085
.177	-.0528	
.250		-.1881
.274	-.2040	
.402	-.2777	
.565	-.1255	
.650		-.3925
.750		-.2125
.760	-.0302	
.808	-.0818	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (3) = 1.217 ALPHA (5) = .022

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0924

.857 -.0934

.905 -.1010

.950 .0426

.953 -.0577

MACH (3) = 1.209 ALPHA (6) = 2.213 RUN = 80,000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2865 .4756

.020 .2152

.030 .1056

.048 .0890

.050 .0596

.085 -.0458

.150 -.3463

.177 -.1142

.250 -.1962

.274 -.2522

.402 -.3208

.565 -.2308

.650 -.5209

.750 -.2723

.760 -.0594

.808 -.1001

.850 -.1848

.857 -.1071

.905 -.1175

.950 -.0954

.953 -.0880

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (.3) = 1.202 ALPHA (7) = 4.411 RUN = 80,000 RN/L = 7,100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2388	.5177
.020		.0714
.030	.0271	
.048	.0168	
.050		-.0210
.085	-.1211	
.150		-.4459
.177	-.1719	
.250		-.2049
.274	-.3016	
.402	-.3663	
.565	-.3092	
.650		-.5971
.750		-.3370
.760	-.0862	
.808	-.1196	
.850		-.2664
.857	-.1247	
.905	-.1351	
.950		-.2321
.953	-.1092	

MACH (.3) = 1.193 ALPHA (8) = 6.618 RUN = 80,000 RN/L = 7,100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1413	.5234
.020		-.1818
.030	-.0689	
.048	-.0690	
.050		-.1435
.085	-.1845	
.150		-.4908
.177	-.2351	
.250		-.2181
.274	-.3414	
.402	-.4118	
.565	-.3288	
.650		-.6619
.750		-.4029
.760	-.1183	
.808	-.1481	

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (3) = 1.193 ALPHA (8) = 6.618

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3382

.857 -.1562

.905 -.1633

.950 -.3346

.953 -.1399

MACH (3) = 1.182 ALPHA (9) = 8.823 RUN = 80,000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0136 .5338

.020 -.2966

.030 -.1866

.040 -.1662

.050 -.3899

.085 -.2548

.150 -.5770

.177 -.3044

.250 -.2286

.274 -.3907

.402 -.4471

.565 -.3227

.650 -.6967

.750 -.5105

.760 -.1661

.808 -.1899

.850 -.4444

.857 -.1875

.905 -.1891

.950 -.4557

.953 -.1631

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7046)

MACH (4) = 1.504 ALPHA (1) = -8.857 RUN = 114,000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0714	.1437
.020		.4715
.030	.2801	
.048	.2760	
.080		.3800
.085	.2148	
.150		.1669
.177	.1631	
.250		.0461
.274	.0138	
.402	-.0552	
.565	-.1289	
.650		-.1350
.750		-.1198
.760	.1889	
.808	.1504	
.850		.1024
.857	.1161	
.905	.1039	
.950		.2014
.953	.1077	

MACH (4) = 1.504 ALPHA (2) = -6.668 RUN = 114,000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0996	.1938
.020		.4599
.030	.2345	
.048	.2261	
.050		.3462
.085	.1559	
.150		.1161
.177	.1073	
.250		-.0148
.274	-.0337	
.402	-.0995	
.565	-.1741	
.650		-.1754
.750		-.1906
.760	.1410	
.808	.1092	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7046)

MACH (4) = 1.504 ALPHA (2) = -6.668

SECTION (1) WING UPPER SURFACE... DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.0246
.857	.0975	
.905	.0843	
.930		.1129
.953	.0829	

MACH (4) = 1.504 ALPHA (3) = -4.448 RUN = 114,000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1599	.2859
.020		.4545
.030	.1967	
.048	.1819	
.050		.3157
.085	.0984	
.150		.0623
.177	.0534	
.250		-.0665
.274	-.0748	
.402	-.1376	
.565	-.2052	
.650		-.2301
.750		-.2341
.760	.0967	
.808	.0767	
.850		-.2192
.857	.0679	
.905	.0615	
.950		.0055
.953	.0622	

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (4) = 1.504 ALPHA (4) = -2.211 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2159	.3854
.020		.4134
.030	.1626	
.048	.1463	
.050		.2652
.083	.0489	
.150		-.0197
.177	.0049	
.250		-.1340
.274	-.1157	
.402	-.1714	
.563	-.2348	
.650		-.2766
.750		-.2850
.760	.0564	
.808	.0462	
.850		-.3119
.857	.0391	
.905	.0370	
.950		-.0857
.953	.0417	

MACH (4) = 1.504 ALPHA (5) = .012 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2672	.4594
.020		.3680
.030	.1340	
.048	.1201	
.050		.2260
.085	.0054	
.150		-.1096
.177	-.0492	
.250		-.2173
.274	-.1515	
.402	-.2056	
.563	-.2595	
.650		-.3395
.750		-.3357
.760	.0091	
.808	.0157	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (4) = 1.504 ALPHA (3) = .012

SECTION (1) WING UPPER SURFACE ---DEPENDENT VARIABLE CP---

2Y/B .4360 .7710

X/C

.850		-.3598
.857	.0156	
.903	.0159	
.950		-.1603
.953	.0183	

MACH (4) = 1.504 ALPHA (6) = 2.240 RUN = 114,000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2894	.4940
.020		.2485
.030	.0893	
.048	.0841	
.050		.1599
.085	-.0382	
.150		-.1755
.177	-.1074	
.250		-.2722
.274	-.1957	
.402	-.2381	
.563	-.2904	
.650		-.3907
.750		-.3933
.760	-.0461	
.808	-.0227	
.850		-.3986
.857	-.0106	
.903	-.0022	
.950		-.2112
.953	.0033	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7046)

MACH (4) = 1.504 ALPHA (7) = 4.464 RUN = 114,000 RN/L = 7.622 BETA = -4.357

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2646	.5394
.020		.0676
.030	.0327	
.048	.0320	
.050		.0827
.085	-.0856	
.150		-.2379
.177	-.1641	
.230		-.3315
.274	-.2394	
.402	-.2754	
.565	-.3176	
.650		-.4394
.750		-.4403
.760	-.1046	
.808	-.0715	
.850		-.4189
.857	-.0421	
.905	-.0196	
.950		-.2450
.953	-.0125	

MACH (4) = 1.504 ALPHA (8) = 6.677 RUN = 114,000 RN/L = 7.622 BETA = -4.357

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.1542	.5650
.020		-.0080
.030	-.0614	
.048	-.0510	
.050		-.0791
.085	-.1500	
.150		-.2959
.177	-.2141	
.230		-.3818
.274	-.2761	
.402	-.3015	
.565	-.3390	
.650		-.4830
.750		-.4830
.760	-.1491	
.808	-.1202	

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (4) = 1.504 ALPHA (8) = 6.677

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.3636
.857	-.0842
.905	-.0563
.950	-.2816
.953	-.0451

MACH (4) = 1.504 ALPHA (9) = 8.901 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0485	.5760
.020		-.0786
.030	-.1766	
.048	-.1277	
.050		-.1845
.085	-.2123	
.150		-.3557
.177	-.2643	
.250		-.4237
.274	-.3094	
.402	-.3267	
.565	-.3613	
.650		-.5161
.750		-.5161
.760	-.1861	
.808	-.1598	
.850		-.3675
.857	-.1190	
.905	-.0888	
.950		-.3184
.953	-.0743	

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1A70 01.112 S1 P2 P8

WING UPPER SURFACE

(RF7047) (25 SEP 74

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = .900 ALPHA (1) = -8.618 RUN = 140,000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0438 -.3647
 .020 .3086
 .030 .3425
 .048 .3336
 .050 .2538
 .085 .2610
 .150 .0139
 .177 .0956
 .250 -.1576
 .274 -.0177
 .402 -.1464
 .563 -.2570
 .650 -.3897
 .750 -.3531
 .760 -.2991
 .808 -.2319
 .850 -.0451
 .857 -.1174
 .905 -.1060
 .950 -.0193
 .953 -.1255

MACH (1) = .897 ALPHA (2) = -8.467 RUN = 140,000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1104 -.2045
 .020 .3098
 .030 .3094
 .048 .2888
 .050 .2057
 .085 .2176
 .150 -.0683
 .177 .0271
 .250 -.2247

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7047)

MACH (1) = .897 ALPHA (2) = -6.467

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0706
.402	-.1861
.565	-.2824
.650	-.4410
.750	-.4569
.760	-.3444
.808	-.2559
.850	-.0540
.857	-.1325
.905	-.1107
.950	-.0178
.953	-.1255

MACH (1) = .897 ALPHA (3) = -4.306 RUN = 140,000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1178	-.0405
.020		.2910
.030	.2732	
.048	.2514	
.050		.1409
.085	.1732	
.150		-.1652
.177	-.0384	
.250		-.2905
.274	-.1255	
.402	-.2274	
.565	-.3039	
.650		-.4931
.750		-.5259
.760	-.4114	
.808	-.2961	
.850		-.0936
.857	-.1598	
.905	-.1188	
.950		-.0298
.953	-.1249	

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TABULATED PRESSURE DATA - 1A70.

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1A70 Q1 T12 S1 P2 P6 WING UPPER SURFACE (RF7047)

MACH (1) = .897 ALPHA (4) = -2.158 RUN = 140.000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1143	.1104
.020		.2379
.030	.1868	
.048	.1753	
.050		-.0805
.085	.1164	
.150		-.2810
.177	-.0888	
.250		-.3842
.274	-.1767	
.402	-.2686	
.565	-.3270	
.650		-.5271
.750		-.5330
.760	-.4614	
.808	-.3481	
.850		-.1246
.857	-.1843	
.905	-.1250	
.950		-.0353
.953	-.1198	

MACH (1) = .897 ALPHA (5) = .027 RUN = 140.000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1060	.2485
.020		.1544
.030	.0862	
.048	.0717	
.050		-.0562
.085	.0188	
.150		-.3975
.177	-.1397	
.250		-.5164
.274	-.2177	
.402	-.3015	
.565	-.3487	
.650		-.5495
.750		-.5244
.760	-.4807	
.808	-.3664	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (1) = .897 ALPHA (5) = .027

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.1331

.057 -.2055

.055 -.1402

.050 -.0483

.053 -.1239

MACH (1) = .899 ALPHA (6) = 2.169 RUN = 140.000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0616 .3368

.020 .0301

.030 -.0049

.048 -.0205

.050 -.1658

.085 -.0759

.150 -.5479

.177 -.2071

.250 -.6355

.274 -.2656

.402 -.3337

.565 -.3646

.650 -.5873

.750 -.4329

.760 -.4269

.808 -.3226

.850 -.1082

.857 -.2104

.905 -.1517

.950 -.0442

.953 -.1299

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (1) = .899 ALPHA (7) = 4.336 RUN = 140.000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0090	.3777
.020		-.1306
.030	-.0904	
.048	-.1011	
.050		-.2706
.085	-.1631	
.150		-.7410
.177	-.2861	
.250		-.7479
.274	-.3306	
.402	-.3807	
.565	-.3921	
.650		-.6192
.750		-.3302
.760	-.3990	
.808	-.3054	
.850		-.1140
.857	-.2073	
.905	-.1531	
.950		-.0539
.953	-.1303	

MACH (1) = .901 ALPHA (8) = 6.516 RUN = 140.000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0986	.3669
.020		-.3646
.030	-.1899	
.048	-.1869	
.050		-.4284
.085	-.2504	
.150		-.9701
.177	-.3667	
.250		-.9156
.274	-.4022	
.402	-.4326	
.565	-.4211	
.650		-.4431
.750		-.2817
.760	-.3785	
.808	-.2870	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7047)

MACH (1) = .901 ALPHA (8) = 6.516

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1674

.857 -.1974

.905 -.1469

.950 -.1206

.953 -.1284

MACH (1) = .899 ALPHA (9) = 6.650 RUN = 140,000 RN/L = 6,000 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.1493 .3367

.020 -.6468

.030 -.2782

.048 -.2608

.050 -.5521

.085 -.3276

.150 -1.0884

.177 -.4418

.250 -1.1290

.274 -.4750

.402 -.4878

.565 -.4487

.650 -.4436

.750 -.4260

.760 -.3212

.808 -.2534

.850 -.3311

.857 -.1892

.905 -.1510

.950 -.2538

.953 -.1368

1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U47)

MACH (2) = 1.061 ALPHA (1) = -8.888 RUN = 141,000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0603	-.2166
.020		.3890
.030	.3339	
.048	.3749	
.050		.3740
.085	.3765	
.150		.2061
.177	.1991	
.250		.0841
.274	.1194	
.402	.0471	
.565	-.0410	
.650		-.1217
.750		-.2029
.760	-.1529	
.808	-.2158	
.850		-.3711
.857	-.2172	
.905	-.1395	
.950		-.0633
.955	-.0104	

MACH (2) = 1.096 ALPHA (2) = -6.661 RUN = 141,000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0954	-.0488
.020		.4250
.030	.3150	
.048	.3224	
.050		.3581
.085	.3106	
.150		.1613
.177	.1324	
.250		.0545
.274	.0709	
.402	.0210	
.565	-.0449	
.650		-.1389
.750		-.2001
.760	-.1357	
.808	-.1916	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7047)

MACH (2) = 1.098 ALPHA (2) = -6.661

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.3809

.057 -.2011

.065 -.1373

.050 -.0818

.053 -.0351

MACH (2) = 1.109 ALPHA (3) = -4.430 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0968 .1197

.020 .4131

.030 .2128

.040 .2191

.050 .2972

.065 .2184

.150 .0982

.177 .0467

.250 -.0132

.274 -.0465

.402 -.0114

.565 -.0432

.650 -.1546

.730 -.2003

.760 -.1231

.806 -.1812

.850 -.3425

.857 -.1742

.905 -.1395

.950 -.0724

.953 -.0541

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (2) = 1.117 ALPHA (4) = -2.245 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1123	.2439
.020		.3321
.030	.1304	
.048	.1288	
.050		.1770
.085	.1108	
.150		.0855
.177	-.0051	
.250		-.1108
.274	-.1534	
.402	-.0273	
.565	-.0594	
.650		-.1978
.750		-.2094
.760	-.1340	
.808	-.1799	
.850		-.3104
.857	-.1639	
.905	-.1532	
.950		-.0430
.953	-.0934	

MACH (2) = 1.114 ALPHA (5) = -.005 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0986	.3481
.020		.2646
.030	.0671	
.048	.0596	
.050		.0926
.085	.0299	
.150		-.2204
.177	-.0759	
.250		-.2946
.274	-.1774	
.402	-.1137	
.565	-.1037	
.650		-.2379
.750		-.2137
.760	-.1481	
.808	-.1830	

1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (2) = 1.114 ALPHA (5) = -.005

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.2358

.857 -.1574

.905 -.1527

.950 -.0144

.953 -.1147

MACH (2) = 1.107 ALPHA (6) = 2.210 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0334 .4226

.020 .1537

.030 -.0062

.040 -.0145

.050 .0015

.065 -.0438

.150 -.3799

.177 -.1457

.250 -.4492

.274 -.2276

.402 -.2091

.565 -.1132

.650 -.2533

.750 -.2339

.760 -.1879

.808 -.2117

.850 -.1635

.857 -.1801

.905 -.1736

.950 -.0046

.953 -.1459

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7047)

MACH (2) = 1.097 ALPHA (7) = 4.433 RUN = 141.000 RN/L = 6.600 BETA = -0.647

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0127	.4340
.020		.0077
.030	-.0349	
.048	-.0625	
.050		-.0935
.085	-.0963	
.150		-.5295
.177	-.1991	
.250		-.5599
.274	-.2734	
.402	-.2452	
.565	-.1365	
.650		-.2636
.750		-.2392
.760	-.2196	
.808	-.2411	
.850		-.2013
.857	-.2140	
.905	-.1995	
.950		-.0325
.953	-.1644	

MACH (2) = 1.089 ALPHA (8) = 6.647 RUN = 141.000 RN/L = 6.600 BETA = -0.647

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0520	.4697
.020		-.1932
.030	-.1048	
.048	-.1094	
.050		-.1664
.085	-.1464	
.150		-.6205
.177	-.2418	
.250		-.6743
.274	-.2949	
.402	-.2686	
.565	-.1791	
.650		-.3433
.750		-.2956
.760	-.2632	
.808	-.2852	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (2) = 1.089 ALPHA (8) = 6.647

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.2222

.057 -.2676

.055 -.2496

.950 -.0621

.953 -.2080

MACH (2) = 1.080 ALPHA (9) = 6.855 RUN = 141,000 RN/L = 6.600 BETA = -6.647

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0688 .4648

.020 -.3870

.030 -.1369

.048 -.1393

.050 -.3630

.085 -.1801

.150 -.6751

.177 -.2765

.250 -.7745

.274 -.5357

.402 -.3303

.565 -.2297

.650 -.4507

.750 -.3809

.760 -.3053

.808 -.3251

.850 -.2507

.857 -.5123

.905 -.2860

.950 -.0958

.953 -.2470

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (3) = 1.191 ALPHA (1) = -8.859 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0309	-.0993
.020		.4371
.030	.2554	
.048	.2611	
.050		.4101
.085	.2799	
.150		.2703
.177	.1507	
.250		.1823
.274	-.0093	
.402	.1381	
.565	-.0037	
.650		-.0174
.750		-.0729
.760	-.0271	
.808	-.0916	
.850		-.2046
.857	-.1240	
.905	-.0744	
.950		.0267
.953	.0060	

MACH (3) = 1.202 ALPHA (2) = -6.616 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1077	.0218
.020		.4017
.030	.2406	
.048	.2322	
.050		.3028
.085	.2335	
.150		.1881
.177	.1025	
.250		.1575
.274	-.0350	
.402	.0249	
.565	-.0259	
.650		-.0723
.750		-.0850
.760	-.0175	
.808	-.0817	

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WING UPPER SURFACE

(RF7U47)

MACH (3) = 1.202 ALPHA (2) = -6.616

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830	-.2032
.857	-.1099
.905	-.0758
.950	.0006
.953	-.0006

MACH (3) = 1.209 ALPHA (3) = -4.408 RUN = 77,000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0836	.1473
.020		.3928
.030	.2151	
.048	.2162	
.050		.2531
.085	.1834	
.150		.0438
.177	.0622	
.230		-.1000
.274	-.0958	
.402	-.1389	
.565	-.0439	
.650		-.0874
.750		-.1084
.760	-.0202	
.808	-.0854	
.850		-.1995
.857	-.1054	
.905	-.0874	
.950		-.0038
.953	-.0251	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7047)

MACH (3) = 1.214 ALPHA (4) = -2.171 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1093	.2660
.020		.3622
.030	.1407	
.048	.1407	
.050		.1988
.085	.1244	
.150		-.0529
.177	.0031	
.250		-.1860
.274	-.1374	
.402	-.1948	
.565	-.0616	
.650		-.1097
.750		-.1195
.760	-.0352	
.808	-.0879	
.850		-.1894
.857	-.0958	
.905	-.1030	
.950		.0111
.953	-.0520	

MACH (3) = 1.211 ALPHA (5) = .051 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1007	.3571
.020		.3091
.030	.0787	
.048	.0733	
.050		.1320
.085	.0499	
.150		-.1698
.177	-.0565	
.250		-.2838
.274	-.1741	
.402	-.2260	
.565	-.0834	
.650		-.1925
.750		-.1595
.760	-.0670	
.808	-.1085	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (3) = 1.211 ALPHA (5) = .031

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1422

.857 -.0993

.905 -.1107

.950 .0353

.953 -.0689

MACH (3) = 1.205 ALPHA (6) = 2.273 RUN = 77.000 RN/L = .7,156 BETA = -8,668 ~

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0563 .4223

.020 .1908

.030 .0164

.048 .0098

.050 .0505

.085 -.0176

.150 -.2972

.177 -.1159

.250 -.3737

.274 -.2107

.402 -.2686

.565 -.0898

.650 -.2616

.750 -.1932

.760 -.1030

.808 -.1413

.850 -.0987

.857 -.1299

.905 -.1392

.950 .0507

.953 -.1002

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (3) = 1.198 ALPHA (7) = 4.490 RUN = 77,000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0134	.4580
.020		.0447
.030	-.0319	
.048	-.0387	
.050		-.0313
.085	-.0709	
.150		-.4165
.177	-.1647	
.250		-.4812
.274	-.2469	
.402	-.3000	
.565	-.1185	
.650		-.3247
.750		-.2558
.760	-.1338	
.808	-.1650	
.850		-.1205
.857	-.1482	
.905	-.1574	
.950		.0311
.953	-.1233	

MACH (3) = 1.189 ALPHA (8) = 6.704 RUN = 77,000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0291	.4800
.020		-.1763
.030	-.0812	
.048	-.0833	
.050		-.1104
.085	-.1196	
.150		-.4754
.177	-.2108	
.250		-.5614
.274	-.2807	
.402	-.3331	
.565	-.1471	
.650		-.4075
.750		-.3480
.760	-.1610	
.808	-.1667	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (3) = 1.189 ALPHA (8) = 8.704

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 . - .2091

.057 - .1724

.065 - .1758

.050 - .0334

.053 - .1454

MACH (3) = 1.175 ALPHA (9) = 8.913 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 - .0565 .4858

.020 - .2975

.030 - .1244

.048 - .1225

.050 - .3440

.065 - .1631

.150 - .5340

.177 - .2476

.250 - .6310

.274 - .3126

.402 - .3494

.565 - .1782

.650 - .4891

.750 - .4228

.760 - .2079

.808 - .2333

.850 - .2843

.857 - .2227

.905 - .2187

.950 - .0788

.953 - .1861

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U47)

MACH (4) = 1.504 ALPHA (1) = -8.884 RUN = 113,000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0345	.0137
.020		.3766
.030	.2458	
.048	.2474	
.050		.3240
.085	.2141	
.150		.1624
.177	.1608	
.250		.0570
.274	.0229	
.402	-.0585	
.565	-.0672	
.650		-.0497
.750		-.0361
.760	.1489	
.808	.1763	
.850		.0078
.857	.1015	
.905	.0665	
.950		.1740
.953	.0669	

MACH (4) = 1.504 ALPHA (2) = -8.666 RUN = 113,000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0351	.0614
.020		.3679
.030	.2079	
.048	.2021	
.050		.2968
.085	.1429	
.150		.1190
.177	.1042	
.250		.0167
.274	-.0217	
.402	-.1015	
.565	-.1245	
.650		-.1027
.750		-.0932
.760	.0803	
.808	.1245	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7047)

MACH (4) = 1.504 ALPHA (2) = -8.666

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0647

.857 .0909

.905 .0344

.950 .1381

.953 .0474

MACH (4) = 1.504 ALPHA (3) = -4.443 RUN = 113,000 RN/L = -7.656 BETA = -8.713

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0158 .1885

.020 .3868

.030 .1619

.040 .1659

.050 .2772

.085 .1024

.150 .0649

.177 .0664

.250 -.0464

.274 -.0574

.402 -.1297

.565 -.1831

.650 -.1731

.750 -.1477

.760 .0502

.808 .0813

.850 -.1759

.857 .0756

.905 .0445

.950 .0888

.953 .0368

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7047)

MACH (4) = 1.504 ALPHA (4) = -2.192 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0579	.2816
.020		.3610
.030	.0904	
.048	.0948	
.050		.2364
.085	.0801	
.150		-.0090
.177	.0236	
.250		-.1126
.274	-.0891	
.402	-.1518	
.565	-.1933	
.650		-.2444
.750		-.2046
.760	.0208	
.808	.0344	
.850		-.2175
.857	.0265	
.905	.0175	
.950		-.0158
.953	.0192	

MACH (4) = 1.504 ALPHA (5) = .048 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0700	.3671
.020		.3252
.030	.0558	
.048	.0531	
.050		.1954
.085	.0369	
.150		-.0931
.177	-.0260	
.250		-.1851
.274	-.1152	
.402	-.1756	
.565	-.2168	
.650		-.2896
.750		-.2893
.760	.0014	
.808	-.0077	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (4) = 1.504 ALPHA (5) = .048

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2575

.857 -.0153

.905 -.0254

.950 -.0663

.953 -.0168

MACH (4) = 1.504 ALPHA (6) = 2.286 RUN = 113,000 RN/L = 7.656 BETA = -8.713

SECTION-(1) WING UPPER-SURFACE - - - - - DEPENDENT-VARIABLE-CP----

2Y/B .4360 .7710

X/C

.000 .0549 .4259

.020 .2371

.030 .0166

.048 .0122

.050 .1442

.085 -.0068

.130 -.1745

.177 -.0673

.250 -.2594

.274 -.1438

.402 -.1986

.565 -.2526

.650 -.3418

.750 -.3394

.760 -.0112

.808 -.0246

.850 -.2907

.857 -.0266

.905 -.0402

.950 -.1364

.953 -.0392

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U47)

MACH (4) = 1.504 ALPHA (7) = 4.524 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0240	.4632
.020		.0818
.030	-.0230	
.040	-.0261	
.050		.0716
.065	-.0508	
.150		-.2332
.177	-.1067	
.250		-.3175
.274	-.1738	
.402	-.2234	
.565	-.2725	
.650		-.3858
.750		-.3899
.760	-.0377	
.808	-.0431	
.850		-.2935
.857	-.0399	
.905	-.0528	
.950		-.1833
.953	-.0504	

MACH (4) = 1.504 ALPHA (8) = 6.768 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0071	.4769
.020		-.0354
.030	-.0690	
.040	-.0661	
.050		-.0661
.065	-.0959	
.150		-.2927
.177	-.1440	
.250		-.3658
.274	-.1890	
.402	-.2450	
.565	-.2937	
.650		-.4429
.750		-.4257
.760	-.0729	
.808	-.0750	

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WING UPPER SURFACE

(RFTU47)

MACH (4) = 1.304 ALPHA (8) = 6.768

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2775

.857 -.0654

.905 -.0723

.950 -.2294

.953 -.0657

MACH (4) = 1.304 ALPHA (9) = 9.013 RUN = 113,000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0200 .3045

.020 -.0910

.030 -.1065

.048 -.0950

.050 -.1819

.065 -.1307

.150 -.3444

.177 -.1719

.250 -.4107

.274 -.2240

.402 -.2657

.565 -.3137

.650 -.4833

.750 -.4508

.760 -.1054

.808 -.1037

.850 -.2960

.857 -.0984

.905 -.0992

.950 -.2790

.953 -.0876

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WING UPPER SURFACE

(RF7U48) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 8.000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 BDFLAP = .000
 ELV-1B = 4.000 ELV-CB = 4.000

MACH (1) = .896 ALPHA (1) = -8.365 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE, CP

ZY/B .4360 .7710

X/C

.000 .2734 .1963
 .020 .3482
 .030 .4384
 .048 .3900
 .050 .3468
 .085 .2635
 .150 -.0464
 .177 -.0312
 .250 -.2140
 .274 -.1119
 .402 -.1323
 .565 -.0257
 .650 -.1314
 .750 -.4600
 .760 -.0938
 .808 -.1589
 .850 .0614
 .857 .0285
 .905 .0473
 .950 .0699
 .953 .0146

MACH (1) = .897 ALPHA (2) = -6.407 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3760 .3309
 .020 .4932
 .030 .3761
 .048 .3153
 .050 .2490
 .085 .1657
 .150 -.1930
 .177 -.1450
 .250 -.3422

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7048)

MACH (1) = .897 ALPHA (2) = -6.407

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.2119	
.402	-.2024	
.565	-.0593	
.650		-.1221
.750		-.4313
.760	-.1013	
.808	-.1539	
.830		.0625
.857	.0269	
.905	.0469	
.950		.0641
.953	.0173	

MACH (1) = .897 ALPHA (3) = -4.261 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4474	.4564
.020		.3961
.030	.2980	
.048	.2297	
.050		.1324
.085	.0570	
.150		-.4096
.177	-.2602	
.250		-.5287
.274	-.3636	
.402	-.2852	
.565	-.0906	
.650		-.1093
.750		-.3066
.760	-.0993	
.808	-.1354	
.830		.0639
.857	.0260	
.905	.0300	
.950		.0535
.953	.0256	

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1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U48)

MACH (1) = .898 ALPHA (4) = -2.113 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4916 .5591
 .020 .2593
 .030 .2079
 .048 .1366
 .050 -.0068
 .085 -.0600
 .150 -.5963
 .177 -.3309
 .250 -.7222
 .274 -.5203
 .402 -.3671
 .565 -.1218
 .650 -.1073
 .750 -.1849
 .760 -.0904
 .808 -.1123
 .850 .0876
 .857 .0319
 .905 .0556
 .950 .0585
 .953 .0351

MACH (1) = .898 ALPHA (5) = .034 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5035 .6144
 .020 .0946
 .030 .1084
 .048 .0390
 .050 -.1389
 .085 -.1866
 .150 -.7818
 .177 -.4106
 .250 -.8974
 .274 -.6496
 .402 -.5292
 .565 -.1419
 .650 -.3338
 .750 -.1821
 .760 -.0806
 .808 -.0939

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WING UPPER SURFACE

(RF7U48)

MACH (1) = .898 ALPHA (5) = .054

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	.0477
.857	.0262
.905	.0549
.950	.0678
.953	.0383

MACH (1) = .899 ALPHA (6) = 2.213 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4946	.6262
.020		-.0991
.030	.0062	
.048	-.0538	
.050		-.2599
.085	-.3732	
.150		-.9236
.177	-.4936	
.250		-1.0383
.274	-.7308	
.402	-.7615	
.565	-.1898	
.650		-.5229
.750		-.4045
.760	-.0781	
.808	-.0923	
.850		-.2459
.857	.0168	
.905	.0476	
.950		-.1215
.953	.0372	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U46)

MACH (1) = .899 ALPHA (7) = 4.364 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4670	.5993
.020		-.3710
.030	-.1019	
.048	-.1466	
.050		-.4034
.085	-.4703	
.150		-1.0071
.177	-.5550	
.250		-1.0568
.274	-.7980	
.402	-.8339	
.565	-.3094	
.650		-.5545
.750		-.4818
.760	-.0773	
.808	-.1160	
.850		-.4073
.857	.0027	
.905	.0401	
.950		-.3469
.953	.0359	

MACH (1) = .899 ALPHA (8) = 6.516 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4268	.5470
.020		-.6637
.030	-.2197	
.048	-.2378	
.050		-.7697
.085	-.5506	
.150		-1.0514
.177	-.6865	
.250		-1.0845
.274	-.8341	
.402	-.8875	
.565	-.3783	
.650		-.5465
.750		-.5054
.760	-.0916	
.805	-.1407	

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (1) = .899 ALPHA (8) = 6.516

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4471

.857 -.0015

.905 .0285

.950 -.4180

.953 .0305

MACH (1) = .900 ALPHA (9) = 8.680 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4207 .4995

.020 -.7973

.030 -.3034

.048 -.3015

.050 -.9503

.085 -.6204

.150 -1.2181

.177 -.8055

.250 -1.0506

.274 -.8929

.402 -.9357

.565 -.4451

.650 -.8421

.750 -.6342

.760 -.2196

.808 -.2515

.850 -.5796

.857 -.0998

.905 -.0422

.950 -.5292

.953 -.0159

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U48)

MACH (2) = 1.082 ALPHA (1) = -8.758 RUN = 101,000 RN/L = 6.775 BETA = 8.646

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3436	.3823
.020		.6041
.030	.5014	
.048	.4541	
.050		.4022
.085	.3391	
.150		.0016
.177	.0393	
.250		-.1787
.274	-.1810	
.402	-.2553	
.565	.1243	
.650		-.0615
.750		-.2419
.760	.0577	
.808	-.2050	
.850		-.1130
.857	-.0248	
.905	.0925	
.950		.0516
.953	.1311	

MACH (2) = 1.095 ALPHA (2) = -6.617 RUN = 101,000 RN/L = 6.775 BETA = 8.646

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4474	.4709
.020		.5780
.030	.4615	
.048	.4026	
.050		.3555
.085	.2699	
.150		-.0533
.177	.0112	
.250		-.2657
.274	-.2227	
.402	-.3027	
.565	.0621	
.650		-.2551
.750		-.2883
.760	.0313	
.808	-.2254	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (2) = 1.095 ALPHA (2) = -6.617

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.850 -.0838

.857 -.0542

.905 .0552

.950 .0224

.953 .1189

MACH (2) = 1.106 ALPHA (3) = -4.410 RUN = 101.000 RIVL = 6.775 BETA = 8.646

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5143 .5564

.020 .5286

.030 .3998

.048 .3343

.050 .2942

.085 .1569

.150 -.1166

.177 -.0374

.250 -.3348

.274 -.2729

.402 -.3584

.565 -.1008

.650 -.5863

.750 -.3962

.760 .0233

.808 -.2236

.850 -.1909

.857 -.1498

.905 -.0047

.950 -.1303

.953 .1056

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RP7U48)

MACH (2) = 1.113 ALPHA (4) = -2.220 RUN = 101,000 RN/L = 6.775 BETA = 8.646

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5389 .6364

.020 .4665

.030 .3298

.048 .2659

.050 .2438

.085 .0161

.150 -.2186

.177 -.1184

.250 -.4122

.274 -.3186

.402 -.4033

.565 -.2476

.650 -.6480

.750 -.6780

.760 -.0059

.808 -.1997

.850 -.2820

.857 -.1461

.905 -.1147

.950 -.2112

.953 -.0021

MACH (3) = 1.191 ALPHA (1) = -8.797 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3281 .4323

.020 .6651

.030 .5202

.048 .4843

.050 .4798

.085 .3955

.150 .1412

.177 .1511

.250 -.0696

.274 -.0784

.402 -.1645

.565 .0921

.650 -.3229

.750 -.1996

.760 .1292

.808 -.0967

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (3) = 1.191 ALPHA (1) = -8.797

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.0561
.857	-.0228	
.905	.1164	
.950		.0383
.953	.1809	

MACH (3) = 1.201 ALPHA (2) = -6.370 RUN = 132.000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3839	.5154
.020		.6440
.030	.4430	
.048	.3973	
.050		.4358
.085	.2614	
.150		.0769
.177	.0807	
.250		-.1389
.274	-.1243	
.402	-.2087	
.565	-.1744	
.650		-.4216
.750		-.4900
.760	.1036	
.808	-.0939	
.850		-.1778
.857	-.0481	
.905	-.0413	
.950		-.0665
.953	.0293	

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (3) = 1.209 ALPHA (3) = -4.339 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4317	.6023
.020		.5990
.030	.3771	
.048	.3268	
.050		.3833
.085	.1336	
.150		-.0173
.177	.0133	
.250		-.2125
.274	-.1800	
.402	-.2363	
.565	-.3558	
.650		-.4718
.750		-.5347
.760	.0573	
.808	-.0888	
.850		-.3533
.857	-.0513	
.905	-.0466	
.950		-.1872
.953	-.0115	

MACH (3) = 1.213 ALPHA (4) = -2.115 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4745	.6724
.020		.5274
.030	.3087	
.048	.2604	
.050		.3220
.085	.0570	
.150		-.1349
.177	-.0560	
.250		-.3059
.274	-.2466	
.402	-.3123	
.565	-.4037	
.650		-.5416
.750		-.5904
.760	-.0402	
.808	-.1057	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (3) = 1.213 ALPHA (4) = -2.115

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.4647
.837	-.0883	
.905	-.0565	
.930		-.2267
.953	-.0291	

MACH (3) = 1.210 ALPHA (5) = .143 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4928	.7184
.020		.4325
.030	.2527	
.048	.2128	
.050		.2465
.085	-.0102	
.150		-.2713
.177	-.1587	
.250		-.3952
.274	-.3101	
.402	-.3700	
.565	-.4510	
.650		-.5943
.750		-.6278
.760	-.1436	
.808	-.1626	
.850		-.5723
.857	-.1117	
.905	-.0776	
.950		-.2749
.953	-.0422	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (3) = 1.205 ALPHA (6) = 2.372 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5601 .7794

.020 .2993

.030 .1636

.048 .1375

.050 .1505

.085 -.1034

.150 -.3641

.177 -.2604

.250 -.4766

.274 -.3815

.402 -.4286

.565 -.4903

.650 -.6607

.750 -.6866

.760 -.2265

.808 -.2287

.850 -.6335

.857 -.1672

.905 -.1065

.950 -.3235

.953 -.0634

MACH (3) = 1.199 ALPHA (7) = 4.604 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5319 .7877

.020 -.0065

.030 .0464

.048 .0498

.050 -.0003

.085 -.1800

.150 -.4413

.177 -.3671

.250 -.5606

.274 -.4661

.402 -.4691

.565 -.5259

.650 -.7234

.750 -.7362

.760 -.2949

.808 -.2996

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (3) = 1.199 ALPHA (7) = 4.604

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830	-.5174
.857	-.2422
.905	-.1588
.950	-.4195
.953	-.0954

MACH (3) = 1.189 ALPHA (8) = 6.802 RUN = 132.000 RN/L = 7.087 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5406	.7725
.020		-.1444
.030	-.0464	
.048	-.0484	
.050		-.2694
.085	-.2709	
.150		-.5354
.177	-.4611	
.250		-.6327
.274	-.5492	
.402	-.5400	
.565	-.5773	
.650		-.7730
.750		-.7338
.760	-.3648	
.808	-.3721	
.850		-.5803
.857	-.3291	
.905	-.2149	
.950		-.4985
.953	-.1054	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P5

WING UPPER SURFACE

(RF7046)

MACH (3) = 1.175 ALPHA (9) = 9.014 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5629	.7398
.020		-.2711
.030	-.1060	
.048	-.1058	
.050		-.4164
.085	-.3281	
.130		-.6634
.177	-.5308	
.250		-.7120
.274	-.6345	
.402	-.6220	
.565	-.6440	
.650		-.8131
.750		-.7167
.760	-.4073	
.808	-.4232	
.850		-.8502
.857	-.3898	
.905	-.2492	
.950		-.5772
.953	-.1692	

MACH (4) = 1.504 ALPHA (1) = -8.909 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3703	.6092
.020		.7605
.030	.4825	
.048	.4540	
.050		.5864
.085	.3139	
.150		.2536
.177	.2125	
.250		.0749
.274	.0230	
.402	-.0484	
.565	-.1223	
.650		-.1815
.750		-.2540
.760	.2036	
.808	.1239	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (4) = 1.504 ALPHA (1) = -8.809

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2617

.857 .1331

.905 .1472

.950 -.0953

.953 .1703

MACH (4) = 1.504 ALPHA (2) = -6.644 RUN = 108.000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4049 .6503

.020 .7188

.030 .4257

.048 .3982

.050 .5359

.085 .2406

.150 .1726

.177 .1321

.250 .0062

.274 -.0361

.402 -.1122

.565 -.1765

.650 -.2388

.750 -.3067

.760 .1033

.808 .0713

.850 -.3117

.857 .0971

.905 .1200

.950 -.1990

.953 .1396

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TABULATED PRESSURE DATA - IA70

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IA70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7048)

MACH (4) = 1.804 ALPHA (3) = -4.373 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4878	.8967
.020		.6772
.030	.3616	
.048	.3313	
.050		.4914
.085	.1641	
.150		.0958
.177	.0436	
.250		-.0648
.274	-.0971	
.402	-.1574	
.565	-.2224	
.650		-.2901
.750		-.3460
.760	.0153	
.808	-.0003	
.850		-.3561
.857	.0406	
.905	.0784	
.950		-.2682
.953	.1060	

MACH (4) = 1.804 ALPHA (4) = -2.145 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4894	.7374
.020		.6293
.030	.3023	
.048	.2731	
.050		.4446
.085	.0993	
.150		.0250
.177	-.0435	
.250		-.1255
.274	-.1586	
.402	-.2115	
.565	-.2619	
.650		-.3362
.750		-.3843
.760	-.0308	
.808	-.0736	

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE

(RF7U48)

MACH (4) = 1.504 ALPHA (4) = -2.143

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3926

.857 -.0354

.905 .0228

.950 -.3146

.953 .0646

MACH (4) = 1.504 ALPHA (5) = .111 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5049 .7745

.020 .5551

.030 .2420

.048 .2147

.050 .3787

.065 .0413

.150 -.0398

.177 -.1079

.250 -.1832

.274 -.2173

.402 -.2777

.565 -.2968

.650 -.3779

.750 -.4202

.760 -.1204

.808 -.1357

.850 -.4279

.857 -.1109

.905 -.0477

.950 -.3610

.953 .0138

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U48)

MACH (4) = 1.504 ALPHA (6) = 2.339 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5249	.8046
.020		.4553
.030	.2059	
.048	.1787	
.050		.2973
.085	.0003	
.130		-.1035
.177	-.1709	
.250		-.2357
.274	-.2701	
.402	-.3131	
.565	-.3367	
.650		-.4160
.750		-.4480
.760	-.1957	
.808	-.1974	
.850		-.4528
.857	-.1820	
.905	-.1175	
.950		-.3901
.953	-.0455	

MACH (4) = 1.504 ALPHA (7) = 4.586 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5556	.8426
.020		.3191
.030	.1596	
.048	.1306	
.050		.2550
.085	-.0428	
.130		-.1493
.177	-.2118	
.250		-.2772
.274	-.3045	
.402	-.3606	
.565	-.3650	
.650		-.4460
.750		-.4752
.780	-.2895	
.808	-.2668	

1A70 01 .112 S1 P2 P8

WING UPPER SURFACE

(RF7U48)

MACH (4) = 1.504 ALPHA (7) = 4.586

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4712

.857 -.2329

.905 -.1877

.950 -.4064

.953 -.1131

MACH (4) = 1.504 ALPHA (8) = 6.822 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5834 .8754

.020 .1970

.030 .1412

.048 .1098

.050 .1400

.085 -.0629

.150 -.1864

.177 -.2447

.250 -.3132

.274 -.3457

.402 -.3930

.565 -.3874

.650 -.4657

.750 -.4864

.760 -.3183

.808 -.3463

.850 -.4780

.857 -.2910

.905 -.2329

.950 -.4282

.953 -.1756

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TABULATED PRESSURE DATA - IA70

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IA70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7048)

MACH (4) = 1.504 ALPHA (9) = 9.067 RUN = 108,000 RN/L = 7.556 BETA = 6.711

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000	.8379	.8763
.020		.8699
.030	.1433	
.048	.1070	
.050		-.0602
.085	-.0691	
.150		-.2720
.177	-.2595	
.250		-.3381
.274	-.3702	
.402	-.4148	
.565	-.4044	
.650		-.4921
.750		-.5048
.760	-.3493	
.808	-.3816	
.850		-.4965
.857	-.3425	
.905	-.2913	
.950		-.4575
.953	-.2154	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = -2690.0000 SQ.FT. - XMRP = -1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 4.000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 BDFLAP = .000
 ELV-1B = 4.000 ELV-CB = 4.000

MACH (1) = .900 ALPHA (1) = -8.517 RUN = 135.000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1795 .0590
 .020 .4944
 .030 .4243
 .048 .3893
 .050 .3278
 .085 .2864
 .150 -.0273
 .177 .0105
 .250 -.1976
 .274 -.0876
 .402 -.1479
 .565 -.0949
 .650 -.1582
 .750 -.5218
 .760 -.1753
 .808 -.4415
 .850 -.0298
 .857 -.0581
 .905 -.0121
 .950 .0183
 .953 -.0326

MACH (1) = .899 ALPHA (2) = -6.349 RUN = 135.000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2900 .1979
 .020 .4536
 .030 .3702
 .048 .3215
 .050 .2409
 .085 .1961
 .150 -.1558
 .177 -.0956
 .250 -.2925

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (1) = .899 ALPHA (2) = -6.349

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1822
.402	-.2209
.565	-.1412
.650	-.1639
.750	-.5002
.760	-.1947
.808	-.4101
.850	-.0030
.857	-.0517
.905	-.0056
.950	.0202
.953	-.0210

MACH (1) = .896 ALPHA (3) = -4.221 RUN = 135.000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3728	.3302
.020		.3835
.030	.3047	
.048	.2459	
.050		.1324
.085	.0985	
.150		-.3092
.177	-.2104	
.250		-.4986
.274	-.2771	
.402	-.3191	
.565	-.1807	
.650		-.2053
.750		-.4074
.760	-.2120	
.808	-.3340	
.850		.0206
.857	-.0404	
.905	.0017	
.950		.0222
.953	-.0074	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (1) = .897 ALPHA (4) = -2.072 RUN = 135,000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4270	.4521
.020		.2678
.030	.2262	
.048	.1616	
.050		.0100
.085	-.0062	
.150		-.4814
.177	-.3061	
.250		-.5907
.274	-.4339	
.402	-.3654	
.565	-.2255	
.650		-.2889
.750		-.2470
.760	-.2233	
.808	-.2613	
.850		.0273
.857	-.0392	
.905	.0066	
.950		.0221
.953	.0020	

MACH (1) = .898 ALPHA (5) = .109 RUN = 135,000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4532	.5315
.020		.1137
.030	.1376	
.048	.0720	
.050		-.1217
.085	-.1180	
.150		-.7318
.177	-.3655	
.250		-.8182
.274	-.5850	
.402	-.4056	
.565	-.2433	
.650		-.2630
.750		-.1978
.760	-.2352	
.808	-.2129	

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1A70 OI T12 S1 P2 P8

WING UPPER SURFACE

(RF7049)

MACH (1) = .896 ALPHA (5) = .109

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .0333
.857 -.0368
.905 .0110
.950 .0272
.953 .0107

MACH (1) = .899 ALPHA (6) = 2.258 RUN = 135.000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4488 .3580
.020 -.0743
.030 .0355
.048 -.0230
.050 -.2515
.085 -.2538
.150 -.9165
.177 -.4457
.250 -.9830
.274 -.6828
.402 -.6884
.565 -.2879
.650 -.5541
.750 -.3498
.760 -.2171
.808 -.1928
.850 -.1006
.857 -.0414
.905 .0077
.950 -.0089
.953 .0148

1A70 01 T12 S1 P2 P8 WING UPPER SURFACE (RF7049)

MACH (1) = .899 ALPHA (7) = 4.413 RUN = 135,000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4197	.5371
.020		-.3217
.030	-.0732	
.048	-.1203	
.050		-.3958
.085	-.4330	
.150		-1.0215
.177	-.5168	
.250		-1.0988
.274	-.7598	
.402	-.7905	
.565	-.3352	
.650		-.6037
.750		-.4982
.760	-.1908	
.808	-.1967	
.850		-.3838
.857	-.0573	
.905	-.0032	
.950		-.2846
.953	.0112	

MACH (1) = .899 ALPHA (8) = 6.559 RUN = 135,000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3955	.4986
.020		-.6307
.030	-.1647	
.048	-.1953	
.050		-.5939
.085	-.5026	
.150		-1.0676
.177	-.5455	
.250		-1.0420
.274	-.8096	
.402	-.8446	
.565	-.3931	
.650		-.5859
.750		-.5096
.760	-.2143	
.808	-.2672	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (1) = .899 ALPHA (8) = 6.559

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 . - .4451
.857 -.0874
.905 -.0275
.950 -.4049
.953 -.0023

MACH (1) = .899 ALPHA (9) = 8.716 RUN = 135.000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3604 .4491
.020 -.7983
.030 -.2617
.048 -.2705
.050 -.9387
.085 -.5743
.150 -1.1539
.177 -.6774
.250 -1.0996
.274 -.8427
.402 -.9019
.565 -.4528
.650 -.6630
.750 -.6583
.760 -.2245
.808 -.3245
.850 -.5944
.857 -.1116
.905 -.0547
.950 -.5385
.953 -.0308

1A7D O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U49)
 MACH (2) = 1.090 ALPHA (1) = -8.743 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2680 .2799
 .020 .5914
 .030 .4648
 .048 .4333
 .050 .4346
 .085 .3502
 .150 .1212
 .177 .1938
 .250 -.0215
 .274 -.1294
 .402 -.0180
 .565 .0937
 .650 -.0945
 .750 -.2857
 .760 -.0088
 .808 -.2775
 .850 -.2611
 .857 -.0987
 .905 -.0140
 .950 -.0434
 .953 .0672

MACH (2) = 1.102 ALPHA (2) = -6.532 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3785 .3712
 .020 .5272
 .030 .4189
 .048 .3721
 .050 .3240
 .085 .2718
 .150 -.0225
 .177 .1529
 .250 -.2065
 .274 -.1957
 .402 -.2012
 .565 .1022
 .650 -.1051
 .750 -.2748
 .760 -.0017
 .808 -.2718

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P0

WING UPPER SURFACE

(RF7049)

MACH (2) = 1.102 ALPHA (2) = -8.532

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2268

.857 -.1215

.905 -.0222

.950 -.0432

.953 .0523

MACH (2) = 1.116 ALPHA (3) = -4.344 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4356 .4673

.020 .4859

.030 .3520

.048 .2975

.050 .2637

.085 .1468

.150 -.0932

.177 .1020

.250 -.3119

.274 -.2476

.402 -.3175

.565 .0538

.650 -.2096

.750 -.2565

.760 -.0008

.808 -.2572

.850 -.0748

.857 -.1659

.905 -.1177

.950 .0132

.953 .0219

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7049)

MACH (2) = 1.128 ALPHA (4) = -2.146 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4709 .5470

.020 .4193

.030 .2801

.048 .2263

.050 .2031

.085 .0084

.150 -.2171

.177 .0236

.250 -.3940

.274 -.2998

.402 -.3727

.565 -.0876

.650 -.4098

.750 -.3390

.760 -.0043

.808 -.2445

.850 -.2004

.857 -.1904

.905 -.1690

.950 -.1190

.953 -.0761

MACH (2) = 1.125 ALPHA (5) = .057 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4851 .6345

.020 .3295

.030 .1922

.048 .1443

.050 .1427

.085 -.0787

.150 -.3737

.177 .0192

.250 -.4998

.274 -.3681

.402 -.4169

.565 -.1632

.650 -.6494

.750 -.3968

.760 -.0155

.808 -.2367

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1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (2) = 1.125 ALPHA (5) = .057

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.2578

.057 -.1936

.005 -.1796

.050 -.2468

.953 -.1173

MACH (2) = 1.118 ALPHA (6) = 2.272 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4842 .6878

.020 .1686

.030 .1000

.048 .0653

.050 .0330

.085 -.1621

.150 -.4898

.177 .0059

.250 -.6062

.274 -.4273

.402 -.4583

.563 -.2163

.650 -.7178

.750 -.5414

.760 -.0489

.808 -.2462

.850 -.3285

.857 -.2120

.905 -.2004

.950 -.2749

.953 -.1525

1A7D O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7049)

MACH (2) = 1.104 ALPHA (7) = 4.461 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4500	.6591
.020		-.1811
.030	-.0305	
.048	-.0181	
.050		-.1341
.085	-.2602	
.150		-.5746
.177	-.0080	
.250		-.6975
.274	-.4698	
.402	-.4945	
.565	-.3181	
.650		-.8043
.750		-.6681
.760	-.1235	
.808	-.2754	
.850		-.4839
.857	-.2497	
.905	-.2308	
.950		-.3804
.953	-.1885	

MACH (2) = 1.094 ALPHA (8) = 6.657 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3994	.6408
.020		-.3228
.030	-.1488	
.048	-.1201	
.050		-.4293
.085	-.3455	
.150		-.6687
.177	-.0210	
.250		-.7743
.274	-.5175	
.402	-.5489	
.565	-.5101	
.650		-.8858
.750		-.7332
.760	-.1914	
.808	-.3087	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (2) = 1.094 ALPHA (8) = 8.657

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5832
.857 -.2861
.905 -.2622
.950 -.5389
.953 -.2257

MACH (2) = 1.088 ALPHA (9) = 8.839 RUN = 100.000 RN/L = 6.700 BETA , = 4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3306 .6120
.020 -.4376
.030 -.2497
.048 -.2100
.050 -.5742
.085 -.4283
.150 -.7994
.177 -.0316
.250 -.6559
.274 -.5660
.402 -.5907
.563 -.6310
.650 -.9516
.750 -.8417
.760 -.2825
.808 -.3818
.850 -.6918
.857 -.3533
.903 -.3346
.950 -.6143
.953 -.3052

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (3) = 1.196 ALPHA (1) = -8.710 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2084 .2936

.020 .5890

.030 .4302

.048 .4053

.050 .4342

.085 .3421

.150 .1324

.177 .1361

.250 -.0586

.274 -.0759

.402 -.1551

.565 .1553

.650 .0294

.750 -.1356

.760 .0952

.808 -.1296

.850 -.1170

.857 -.0705

.905 .0281

.950 .0306

.953 .1361

MACH (3) = 1.209 ALPHA (2) = -6.491 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2699 .4041

.020 .5726

.030 .3828

.048 .3493

.050 .3884

.085 .2469

.150 .0664

.177 .0742

.250 -.1373

.274 -.1276

.402 -.2088

.565 .0292

.650 -.3370

.750 -.2270

.760 .0869

.808 -.1266

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU49)

MACH (3) = 1.209 ALPHA (2) = -6.491

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 -.1005
.857 -.0817
.905 -.0753
.950 -.0009
.953 .0151

MACH (3) = 1.216 ALPHA (3) = -4.253 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3482 .4999
.020 .5363
.030 .3373
.048 .2961
.050 .3320
.055 .1277
.150 -.0278
.177 .0264
.250 -.2113
.274 -.1571
.402 -.2404
.565 -.1820
.650 -.4516
.750 -.4601
.760 .0746
.808 -.1234
.850 -.1910
.857 -.0876
.905 -.0909
.950 -.1132
.953 -.0514

1A70 01 T12 S1 P2 P6

WING UPPER SURFACE

(RF7049)

MACH (3) = 1.220 ALPHA (4) = -2.047 RUN = 131,000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4008	.5777
.020		.4784
.030	.2736	
.048	.2344	
.050		.2730
.065	.0520	
.150		-.1440
.177	-.0501	
.250		-.2979
.274	-.2418	
.402	-.3011	
.565	-.3720	
.650		-.5219
.750		-.5723
.760	.0285	
.808	-.1206	
.850		-.2787
.857	-.0957	
.905	-.0957	
.950		-.2039
.953	-.0693	

MACH (3) = 1.219 ALPHA (5) = .188 RUN = 131,000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4165	.6332
.020		.3931
.030	.2069	
.048	.1768	
.050		.2158
.065	-.0180	
.150		-.2669
.177	-.1391	
.250		-.3988
.274	-.3096	
.402	-.3634	
.565	-.4284	
.650		-.5869
.750		-.6223
.760	-.0444	
.808	-.1292	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (3) = 1.219 ALPHA (5) = .108

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.3157
.057 -.1097
.905 -.1095
.950 -.2670
.953 -.0877

MACH (3) = 1.211 ALPHA (6) = 2.393 RUN = 131.000 RIV/L = 7.100 BETA = 4.332

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4795 .6744
.020 .2721
.030 .1389
.048 .1225
.050 .1305
.085 -.0975
.150 -.3689
.177 -.2426
.250 -.4734
.274 -.3799
.402 -.4220
.565 -.4748
.650 -.6514
.750 -.6770
.760 -.1213
.808 -.1542
.850 -.3478
.857 -.1267
.905 .1231
.950 -.3017
.953 -.1021

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (3) = 1.203 ALPHA (7) = 4.581 RUN = 131,000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4622	.7011
.020		-.0213
.030	.0182	
.048	.0235	
.050		-.0080
.085	-.1833	
.150		-.4497
.177	-.3454	
.250		-.5576
.274	-.4511	
.402	-.4771	
.565	-.5127	
.650		-.7140
.750		-.6757
.760	-.2029	
.808	-.2041	
.850		-.4284
.857	-.1622	
.905	-.1450	
.950		-.3951
.953	-.1224	

MACH (3) = 1.194 ALPHA (8) = 6.789 RUN = 131,000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3962	.6970
.020		-.1766
.030	-.0998	
.048	-.1080	
.050		-.2843
.085	-.2798	
.150		-.5382
.177	-.4233	
.250		-.6348
.274	-.5022	
.402	-.5227	
.565	-.5420	
.650		-.7633
.750		-.6577
.760	-.2668	
.808	-.2575	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (3) = 1.194 ALPHA (8) = 6.789

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.4997
.857 -.2149
.905 -.1852
.950 -.4475
.953 -.1599

MACH (3) = 1.182 ALPHA (9) = 8.971 RUN = 131.000 RM/L = 7.100 BETA = 4.332

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3798 .6723
.020 -.2999
.030 -.1860
.048 -.1842
.050 -.4373
.085 -.3882
.150 -.6650
.177 -.5473
.250 -.7118
.274 -.5603
.402 -.5671
.565 -.5728
.650 -.8211
.750 -.7329
.760 -.3238
.808 -.3150
.850 -.5996
.857 -.2882
.905 -.2419
.950 -.5129
.953 -.2053

1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U49)

MACH (4) = 1.504 ALPHA (1) = -8.863 RUN = 109,000 RN/L = 7.556 BETA = 4.356

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2480	.4491
.020		.6657
.030	.3967	
.048	.3748	
.050		.5124
.085	.2625	
.150		.2138
.177	.1888	
.250		.0479
.274	.0042	
.402	-.0745	
.565	-.1394	
.650		-.1797
.750		-.2573
.760	.1794	
.808	.0718	
.850		-.2678
.857	.0699	
.905	.0766	
.950		-.0659
.953	.1013	

MACH (4) = 1.504 ALPHA (2) = -6.600 RUN = 109,000 RN/L = 7.556 BETA = 4.356

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3081	.5141
.020		.6442
.030	.3450	
.048	.3199	
.050		.4745
.085	.1904	
.150		.1400
.177	.1153	
.250		-.0129
.274	-.0493	
.402	-.1215	
.565	-.1927	
.650		-.2451
.750		-.2986
.760	.0928	
.808	-.0302	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU49)

MACH (4) = 1.504 ALPHA (2) = -6.600

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.850 .3120

.857 .0371

.905 .0505

.950 .2051

.953 .0661

MACH (4) = 1.504 ALPHA (3) = -4.390 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000 .3448 .5584

.020 .6133

.030 .3066

.048 .2813

.050 .4334

.065 .1382

.150 .0756

.177 .0381

.250 -.0737

.274 -.1026

.402 -.1740

.565 -.2418

.650 -.2905

.750 -.3490

.760 .0047

.808 -.0216

.850 -.3569

.857 .0020

.905 .0243

.950 -.2647

.953 .0417

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7049)

MACH (4) = 1.504 ALPHA (4) = -2.150 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3769	.6032
.020		.5746
.030	.2475	
.048	.2238	
.050		.3901
.065	.0756	
.150		.0089
.177	-.0348	
.250		-.1379
.274	-.1520	
.402	-.2206	
.565	-.2805	
.650		-.3314
.750		-.3813
.760	-.0712	
.808	-.0901	
.850		-.3939
.857	-.0523	
.905	-.0124	
.950		-.3227
.953	.0148	

MACH (4) = 1.504 ALPHA (5) = .095 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4025	.6746
.020		.5025
.030	.1906	
.048	.1690	
.050		.3367
.065	.0151	
.150		-.0635
.177	-.1028	
.250		-.1962
.274	-.2003	
.402	-.2631	
.565	-.3091	
.650		-.3769
.750		-.4197
.760	-.1305	
.808	-.1458	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U49)

MACH (4) = 1.504 ALPHA (5) = .095

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4281
.857 -.1129
.905 -.0610
.950 -.3609
.953 -.0186

MACH (4) = 1.504 ALPHA (6) = 2.315 RUN = 109,000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4242 .7108
.020 .3904
.030 .1395
.048 .1203
.050 .2513
.085 -.0352
.150 -.1297
.177 -.1679
.250 -.2523
.274 -.2510
.402 -.3039
.565 -.3332
.650 -.4181
.750 -.4531
.760 -.1938
.808 -.1992
.850 -.4592
.857 -.1777
.905 -.1219
.950 -.4001
.953 -.0665

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7049)

MACH (4) = 1.504 ALPHA (7) = 4.337 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4556	.7410
.020		.2049
.030	.0853	
.048	.0612	
.050		.1799
.085	-.0890	
.150		-.1912
.177	-.2319	
.250		-.3057
.274	-.3028	
.402	-.3402	
.565	-.7592	
.650		-.4554
.750		-.4840
.760	-.2580	
.808	-.2571	
.850		-.4812
.857	-.2297	
.905	-.1807	
.950		-.4223
.953	-.1211	

MACH (4) = 1.504 ALPHA (8) = 6.779 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4527	.7661
.020		.1113
.030	.0370	
.048	.0164	
.050		.0307
.085	-.1335	
.150		-.2405
.177	-.2871	
.250		-.3508
.274	-.3736	
.402	-.4042	
.565	-.5863	
.650		-.4892
.750		-.5085
.760	-.3166	
.808	-.3241	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7049)

MACH (4) = 1.504 ALPHA (8) = 8.779

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.5044
.857 -.2735
.905 -.2266
.950 -.4538
.953 -.1606

MACH (4) = 1.504 ALPHA (9) = 9.010 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4905 .7834
.020 .0283
.030 .0233
.048 .0063
.050 -.0972
.085 -.1507
.150 -.3022
.177 -.3056
.250 -.3854
.274 -.4024
.402 -.4402
.565 -.4321
.650 -.5086
.750 -.5233
.760 -.5694
.808 -.3895
.850 -.5163
.857 -.5363
.905 -.2939
.950 -.4549
.953 -.2058

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7050) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690,0000 SQ.FT. XMRP = 1076,6800 IN. XO
 LREF = 474,8100 IN. YMRP = .0000 IN. YO
 BREF = 936,6800 IN. ZMRP = 375,0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 BDFLAP = .000
 ELV-1B = 4.000 ELV-CB = 4.000

MACH (1) = .898 ALPHA (1) = -8.469 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1028 -.0951
 .020 .4309
 .030 .4002
 .048 .3796
 .050 .3522
 .085 .2999
 .150 -.0173
 .177 .0426
 .250 -.1922
 .274 -.0607
 .402 -.1494
 .565 -.1592
 .650 -.2242
 .750 -.5393
 .760 -.2386
 .808 -.5027
 .850 -.1158
 .857 -.1312
 .905 -.0467
 .950 -.0150
 .953 -.0478

MACH (1) = .898 ALPHA (2) = -6.312 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2188 .0623
 .020 .4051
 .030 .3553
 .048 .3200
 .050 .2253
 .085 .2208
 .150 -.1361
 .177 -.0497
 .250 -.2685

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7050)

MACH (1) = .898 ALPHA (2) = -6.312

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1399
.402	-.2100
.565	-.2061
.650	-.3291
.750	-.5666
.760	-.2788
.808	-.5365
.850	-.0664
.857	-.1398
.905	-.0434
.950	-.0122
.953	-.0424

MACH (1) = .897 ALPHA (3) = -4.176 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3080	.2011
.020		.3542
.030	.3007	
.048	.2539	
.050		.1344
.085	.1344	
.150		-.2833
.177	-.1506	
.250		-.3964
.274	-.2260	
.402	-.2808	
.565	-.2405	
.650		-.4208
.750		-.6175
.760	-.3300	
.808	-.5659	
.850		-.0733
.857	-.1414	
.905	-.0430	
.950		-.0195
.953	-.0360	

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RFTU50)
 MACH (1) = .897 ALPHA (4) = -2.037 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3891 .3389
 .020 .2673
 .030 .2372
 .048 .1821
 .050 .0219
 .085 .0442
 .150 -.4253
 .177 -.2545
 .250 -.5640
 .274 -.3821
 .402 -.3583
 .565 -.2793
 .650 -.4499
 .750 -.6271
 .760 -.3953
 .808 -.6327
 .850 -.1031
 .857 -.1657
 .905 -.0510
 .950 -.0272
 .953 -.0318

MACH (1) = .897 ALPHA (5) = .119 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3997 .4396
 .020 .1198
 .030 .1491
 .048 .0912
 .050 -.1067
 .085 -.0640
 .150 -.5825
 .177 -.3379
 .250 -.6442
 .274 -.4858
 .402 -.4058
 .565 -.3027
 .650 -.5140
 .750 -.5711
 .760 -.4171
 .808 -.6581

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WING UPPER SURFACE

(RF7050)

MACH (1) = .897 ALPHA (5) = .119

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1133
.857 -.1912
.905 -.0640
.950 -.0361
.953 -.0312

MACH (1) = .898 ALPHA (6) = 2.242 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3971 .4799
.020 -.0535
.030 .0533
.048 -.0022
.050 -.2324
.085 -.1783
.150 -.8310
.177 -.4074
.250 -.9034
.274 -.6126
.402 -.4228
.565 -.3455
.650 -.4834
.750 -.3976
.760 -.4296
.808 -.6554
.850 -.1470
.857 -.1998
.905 -.0779
.950 -.0801
.953 -.0359

1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7050)

MACH (1) = .899 ALPHA (7) = 4.393 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3753	.4754
.020		-.2613
.030	-.0411	
.048	-.0887	
.050		-.3725
.085	-.3403	
.150		-.9790
.177	-.4720	
.250		-1.0718
.274	-.6949	
.402	-.6989	
.565	-.3760	
.650		-.3898
.750		-.4517
.760	-.4281	
.808	-.5509	
.850		-.2965
.857	-.1826	
.905	-.0841	
.950		-.2042
.953	-.0376	

MACH (1) = .898 ALPHA (8) = 6.528 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3406	.4351
.020		-.5429
.030	-.1309	
.048	-.1667	
.050		-.5166
.085	-.4578	
.150		-1.0640
.177	-.5249	
.250		-1.1701
.274	-.7599	
.402	-.7893	
.565	-.4004	
.650		-.6111
.750		-.5394
.760	-.3614	
.808	-.4457	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7050)

MACH (1) = .898 ALPHA (8) = 8.528

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4629
.857	-.1659
.905	-.0766
.950	-.3991
.953	-.0413

MACH (1) = .900 ALPHA (9) = 8.667 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2944	.3717
.020		-.7944
.030	-.2285	
.048	-.2445	
.050		-.6339
.085	-.5297	
.150		-1.0897
.177	-.5581	
.250		-1.1830
.274	-.8048	
.402	-.6509	
.565	-.4378	
.650		-.6336
.750		-.6237
.760	-.3205	
.808	-.4548	
.850		-.5445
.857	-.1682	
.905	-.0831	
.950		-.4902
.953	-.0522	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU50)

MACH (2) = 1.091 ALPHA (1) = -8.732 RUN = 99,000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2077	.1137
.020		.5351
.030	.4476	
.048	.4335	
.050		.4257
.065	.3812	
.130		.1648
.177	.2651	
.250		.0505
.274	.0520	
.402	.0236	
.565	.0501	
.650		-.0939
.750		-.3112
.760	-.0570	
.808	-.3210	
.850		-.3190
.857	-.2584	
.905	-.1225	
.950		-.1527
.953	-.0221	

MACH (2) = 1.105 ALPHA (2) = -6.541 RUN = 99,000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3121	.2647
.020		.5261
.030	.3890	
.048	.3598	
.050		.3760
.065	.2956	
.130		.0909
.177	.1792	
.250		-.0402
.274	-.1132	
.402	-.0050	
.565	.0470	
.650		-.1076
.750		-.3012
.760	-.0454	
.808	-.3046	

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U50)

MACH (2) = 1.105 ALPHA (2) = -6.541

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2992
.857 -.2481
.905 -.1808
.950 -.1284
.953 -.0383

MACH (2) = 1.120 ALPHA (3) = -4.352 RUN = 99,000 RN/L = 6.878 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3730 .3563
.020 .4387
.030 .3322
.040 .2896
.050 .2456
.085 .2012
.150 -.0564
.177 .1341
.250 -.2703
.274 -.2065
.402 -.2334
.565 .0443
.650 -.1187
.750 -.2839
.760 -.0387
.808 -.2921
.850 -.2497
.857 -.2373
.905 -.1855
.950 -.0651
.953 -.0788

1A70 C1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U50)

MACH (2) = 1.133 ALPHA (4) = -2.164 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4093	.4411
.020		.3858
.030	.2677	
.048	.2236	
.050		.1838
.085	.0460	
.150		-.1774
.177	.0833	
.250		-.3546
.274	-.2381	
.402	-.3193	
.563	-.0113	
.650		-.2279
.750		-.2686
.760	-.0427	
.808	-.2824	
.850		-.0966
.857	-.2379	
.905	-.2178	
.950		-.0072
.953	-.1371	

MACH (2) = 1.138 ALPHA (5) = .031 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4419	.5151
.020		.3079
.030	.2165	
.048	.1757	
.050		.1264
.085	-.0243	
.150		-.3065
.177	.0230	
.250		-.4265
.274	-.2898	
.402	-.3534	
.563	-.1088	
.650		-.4010
.750		-.3584
.760	-.0501	
.808	-.2782	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U30)

MACH (2) = 1.138 ALPHA (5) = .031

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1915
.857 -.2412
.905 -.2277
.950 -.0878
.953 -.1729

MACH (2) = 1.129 ALPHA (6) = 2.221 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4248 .5924
.020 .1952
.030 .1234
.048 .0980
.050 .0465
.085 -.1003
.150 -.4517
.177 .0136
.250 -.5434
.274 -.3463
.402 -.4023
.565 -.1801
.650 -.5685
.750 -.4096
.760 -.0720
.808 -.2803
.850 -.2909
.857 -.2539
.905 -.2466
.950 -.2186
.953 -.2123

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U50)

MACH (2) = 1.120 ALPHA (7) = 4.395 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3803	.8056
.020		-.0211
.030	.0067	
.048	.0229	
.050		-.0719
.085	-.1861	
.150		-.5465
.177	.0014	
.250		-.6501
.274	-.4113	
.402	-.4460	
.565	-.2460	
.650		-.6868
.750		-.4279
.760	-.1006	
.808	-.2886	
.850		-.3277
.857	-.2725	
.905	-.2624	
.950		-.3184
.953	-.2321	

MACH (2) = 1.110 ALPHA (8) = 6.592 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3290	.5950
.020		-.2846
.030	-.0908	
.048	-.0520	
.050		-.3344
.085	-.2564	
.150		-.6072
.177	-.0103	
.250		-.7207
.274	-.4708	
.402	-.4938	
.565	-.3270	
.650		-.8062
.750		-.8765
.760	-.1355	
.808	-.3149	

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WING UPPER SURFACE

(RF7050)

MACH (2) = 1.110 ALPHA (8) = 6.592

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4316
.857 -.3041
.905 -.2961
.950 -.4344
.953 -.2716

MACH (2) = 1.104 ALPHA (9) = 6.753 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2292 .5743
.020 -.3944
.030 -.1852
.048 -.1469
.050 -.5133
.085 -.3285
.150 -.7150
.177 -.0199
.250 -.8009
.274 -.5121
.402 -.5316
.565 -.4720
.650 -.8891
.750 -.7785
.760 -.1852
.808 -.3601
.850 -.6350
.857 -.3377
.905 -.3398
.950 -.5859
.953 -.3143

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7050)

MACH (3) = 1.201 ALPHA (1) = -8.766 RUN = 130.000 RN/L = 7.178 BETA = .000

SECTION (1) WING UPPER SURFACE - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1325	.1765
.020		.5326
.030	.3663	
.048	.3527	
.050		.4057
.085	.3322	
.150		.1502
.177	.1520	
.250		-.0354
.274	-.0524	
.402	-.1061	
.565	.1527	
.650		.0148
.750		-.1724
.760	.0839	
.808	-.1597	
.850		-.1891
.857	-.1255	
.905	-.0761	
.950		-.0428
.953	.0391	

MACH (3) = 1.213 ALPHA (2) = -6.491 RUN = 130.000 RN/L = 7.178 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2303	.2970
.020		.5110
.030	.3328	
.048	.3084	
.050		.3517
.085	.2454	
.150		.0661
.177	.0998	
.250		-.1102
.274	-.0833	
.402	-.1727	
.565	.0996	
.650		.0104
.750		-.1642
.760	.0558	
.808	-.1598	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U50)

MACH (3) = 1.213 ALPHA (2) = -6.491

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1686

.857 -.1301

.903 -.1200

.950 -.0326

.953 -.0329

MACH (3) = 1.220 ALPHA (3) = -4.298 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3573 .3774

.020 .4699

.030 .3232

.048 .2855

.050 .2925

.085 .1443

.150 -.0228

.177 .0432

.250 -.1999

.274 -.1411

.402 -.2160

.563 -.0031

.650 -.2269

.750 -.2340

.760 .0411

.808 -.1655

.850 -.1225

.857 -.1412

.903 -.1413

.950 -.0270

.953 -.0880

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7050)

MACH (3) = 1.224 ALPHA (4) = -2.072 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3957	.4675
.020		.4212
.030	.2689	
.048	.2303	
.050		.2355
.085	.0616	
.150		-.1266
.177	-.0141	
.250		-.2759
.274	-.1824	
.402	-.2643	
.565	-.1920	
.650		-.4694
.750		-.3780
.760	.0243	
.808	-.1688	
.850		-.1953
.857	-.1495	
.905	-.1546	
.950		-.1195
.953	-.1216	

MACH (3) = 1.226 ALPHA (5) = .131 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4166	.5332
.020		.3483
.030	.2046	
.048	.1783	
.050		.1710
.085	-.0082	
.150		-.2516
.177	-.0801	
.250		-.3609
.274	-.2585	
.402	-.3097	
.565	-.3594	
.650		-.5357
.750		-.5615
.760	-.0043	
.808	-.1716	

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TABULATED PRESSURE DATA - 1A70

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WING UPPER SURFACE

(RF7050)

MACH (3) = 1.226 ALPHA (5) = .131

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2597
.857 -.1546
.905 -.1672
.950 -.1814
.953 -.1439

MACH (3) = 1.218 ALPHA (6) = 2.334 RUN = 130.000 RM/L = 7.178 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4129 .5858
.020 .2328
.030 .1209
.048 .1045
.050 .0807
.083 -.0915
.150 -.3749
.177 -.1675
.250 -.4646
.274 -.3156
.402 -.3609
.565 -.4214
.650 -.5938
.750 -.6241
.760 -.0503
.808 -.1744
.850 -.3158
.857 -.1624
.905 -.1774
.950 -.2550
.953 -.1601

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U50)

MACH (3) = 1.210 ALPHA (7) = 4.545 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1) WING UPPER SURFACE - - - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3695	.5931
.020		-.0251
.030	.0038	
.048	.0044	
.050		-.0120
.085	-.1756	
.150		-.4420
.177	-.2644	
.250		-.5429
.274	-.3713	
.402	-.4140	
.565	-.4598	
.650		-.6750
.750		-.6840
.760	-.1201	
.808	-.1953	
.850		-.3655
.857	-.1822	
.905	-.1903	
.950		-.3055
.953	-.1737	

MACH (3) = 1.204 ALPHA (8) = 6.749 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3154	.6095
.020		-.1800
.030	-.0924	
.048	-.0903	
.050		-.2547
.085	-.2615	
.150		-.5127
.177	-.3617	
.250		-.6072
.274	-.4192	
.402	-.4528	
.565	-.4952	
.650		-.7372
.750		-.7077
.760	-.1814	
.808	-.2284	

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WING UPPER SURFACE

(RF7U50)

MACH (3) = 1.204 ALPHA (6) = 6.749

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4932
.857 -.2007
.905 -.2089
.950 -.4224
.953 -.1933

MACH (3) = 1.195 ALPHA (9) = 8.933 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1896 .6003
.020 -.2932
.030 -.2270
.048 -.2025
.050 -.4187
.085 -.3596
.150 -.6228
.177 -.4501
.250 -.6796
.274 -.4744
.402 -.4845
.565 -.5312
.650 -.7927
.750 -.7389
.760 -.2134
.808 -.2678
.850 -.5750
.857 -.2365
.905 -.2502
.950 -.5081
.953 -.2304

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU50)

MACH (4) = 1.504 ALPHA (1) = -8.757 RUN = 110.000 RN/L = 7.578 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1355 .2912

.020 .3682

.030 .3320

.048 .3203

.050 .4480

.085 .2338

.150 .1884

.177 .1740

.250 .0379

.274 .0084

.402 -.0652

.565 -.1307

.650 -.1562

.750 -.2343

.760 .1911

.808 .0531

.850 -.1417

.857 .0366

.905 .0408

.950 .0434

.953 .0538

MACH (4) = 1.504 ALPHA (2) = -6.613 RUN = 110.000 RN/L = 7.578 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1765 .3483

.020 .5532

.030 .2912

.048 .2762

.050 .4081

.085 .1762

.150 .1276

.177 .1146

.250 -.0183

.274 -.0399

.402 -.1101

.565 -.1753

.650 -.2079

.750 -.2762

.760 .1346

.808 .0224

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WING UPPER SURFACE

(RF7050)

MACH (4) = 1.504 ALPHA (2) = -6.613

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2791
.857 .0175
.905 .0150
.950 -.0717
.953 .0320

MACH (4) = 1.504 ALPHA (3) = -4.418 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2284 .4076
.020 .5285
.030 .2453
.048 .2278
.050 .3636
.065 .1124
.150 .0593
.177 .0525
.250 -.0769
.274 -.0911
.402 -.1557
.565 -.2168
.650 -.2624
.750 -.3223
.760 .0595
.808 -.0143
.850 -.3212
.857 -.0141
.905 -.0093
.950 -.1849
.953 .0021

1A70 01 T12 S1 P2 P8 WING UPPER SURFACE (RF7050)

MACH (4) = 1.504 ALPHA (4) = -2.184 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2863	.5054
.020		.5094
.030	.2045	
.048	.1858	
.050		.3350
.085	.0540	
.150		-.0144
.177	-.0214	
.250		-.1460
.274	-.1392	
.402	-.2013	
.565	-.2604	
.650		-.3158
.750		-.3708
.760	-.0123	
.808	-.0541	
.850		-.3667
.857	-.0405	
.905	-.0271	
.950		-.2686
.953	-.0134	

MACH (4) = 1.504 ALPHA (5) = .046 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3280	.5669
.020		.4513
.030	.1629	
.048	.1486	
.050		.2888
.085	.0096	
.150		-.0840
.177	-.0820	
.250		-.2092
.274	-.1850	
.402	-.2397	
.565	-.2929	
.650		-.3664
.750		-.4077
.760	-.0838	
.808	-.0969	

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WING UPPER SURFACE

(RF7U50)

MACH (4) = 1.504 ALPHA (5) = .046

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4093
.857 -.0738
.905 -.0480
.950 -.3256
.953 -.0301

MACH (4) = 1.504 ALPHA (6) = 2.287 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3598 .6168
.020 .3442
.030 .1179
.046 .1061
.050 .2243
.085 -.0360
.150 -.1479
.177 -.1425
.250 -.2625
.274 -.2293
.402 -.2767
.565 -.3182
.650 -.4104
.750 -.4440
.760 -.1404
.808 -.1570
.850 -.4445
.857 -.1176
.905 -.0771
.950 -.3270
.953 -.0490

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7050)

MACH (4) = 1.504 ALPHA (7) = 4.517 RUN = 110.000 RN/L = 7.578 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3259	.6546
.020		.1366
.030	.0465	
.048	.0486	
.050		.1343
.085	-.0895	
.150		-.2123
.177	-.2042	
.250		-.3178
.274	-.2786	
.402	-.3152	
.565	-.3435	
.650		-.4492
.750		-.4804
.760	-.1931	
.808	-.2140	
.850		-.4706
.857	-.1787	
.905	-.1225	
.950		-.2983
.953	-.0779	

MACH (4) = 1.504 ALPHA (8) = 6.743 RUN = 110.000 RN/L = 7.578 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3267	.6700
.020		.0346
.030	-.0724	
.048	-.0508	
.050		-.0561
.085	-.1633	
.150		-.2752
.177	-.2619	
.250		-.3709
.274	-.3208	
.402	-.3498	
.565	-.3683	
.650		-.4626
.750		-.5050
.760	-.2451	
.806	-.2618	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U30)

MACH (4) = 1.504 ALPHA (8) = 6.743

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4945
.857 -.2303
.905 -.1703
.950 -.3339
.953 -.1164

MACH (4) = 1.504 ALPHA (9) = 8.944 RUN = 110.000 RN/L = 7.578 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3202 .6792
.020 -.0373
.030 -.1250
.048 -.1024
.050 -.1665
.085 -.2220
.150 -.3564
.177 -.3415
.250 -.4163
.274 -.3875
.402 -.3815
.565 -.3973
.650 -.5138
.750 -.5279
.760 -.2921
.808 -.3017
.850 -.4592
.857 -.2767
.905 -.2132
.950 -.3815
.953 -.1573

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WING UPPER SURFACE

(RF7051) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -4.000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 BDFLAP = .000
 ELV-18 = 4.000 ELV-C8 = 4.000

MACH (1) = .899 ALPHA (1) = -8.492 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0800 -.2254
 .020 .3615
 .030 .3625
 .048 .3476
 .050 .2658
 .065 .2816
 .150 -.0143
 .177 .0623
 .250 -.1681
 .274 -.0423
 .402 -.1521
 .565 -.2196
 .650 -.3754
 .750 -.6114
 .760 -.3064
 .808 -.5825
 .850 -.2369
 .857 -.2714
 .903 -.1393
 .950 -.0637
 .953 -.1144

MACH (1) = .893 ALPHA (2) = -6.314- RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1601 -.0660
 .020 .3484
 .030 .3281
 .048 .3006
 .050 .2034
 .065 .2171
 .150 -.1157
 .177 -.0234
 .250 -.2644

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U51)

MACH (1) = .893 ALPHA (2) = -6.314

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1185
.402	-.2134
.565	-.2581
.650	-.4332
.750	-.6844
.760	-.4007
.808	-.6506
.850	-.2256
.857	-.2916
.905	-.1321
.950	-.0567
.953	-.1010

MACH (1) = .898 ALPHA (3) = -4.175 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2449	.0783
.020		.3144
.030	.2817	
.048	.2459	
.050		.1253
.085	.1490	
.150		-.2229
.177	-.1005	
.250		-.3311
.274	-.1794	
.402	-.2659	
.565	-.2759	
.650		-.4731
.750		-.6888
.760	-.4307	
.808	-.6990	
.850		-.3525
.857	-.3904	
.905	-.1648	
.950		-.1047
.953	-.1096	

1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7051)

MACH (1) = .897 ALPHA (4) = -2.026 RUN = 134,000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2666	.2294
.020		.2451
.030	.2164	
.048	.1752	
.050		.0230
.085	.0675	
.150		-.3665
.177	-.1899	
.250		-.4822
.274	-.2526	
.402	-.3184	
.565	-.3150	
.650		-.5049
.750		-.6931
.760	-.4512	
.808	-.7228	
.850		-.3299
.857	-.4543	
.905	-.1834	
.950		-.1100
.955	-.1111	

MACH (1) = .898 ALPHA (5) = .153 RUN = 134,000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2614	.3431
.020		.1251
.030	.1284	
.048	.0885	
.050		-.1018
.085	-.0269	
.150		-.4786
.177	-.2772	
.250		-.6402
.274	-.3689	
.402	-.3532	
.565	-.3375	
.650		-.5387
.750		-.6879
.760	-.4663	
.808	-.7351	

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WING UPPER SURFACE

(RF7U51)

MACH (1) = .898 ALPHA (5) = .153

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .3117

.857 -.4908

.905 -.2097

.950 -.1179

.953 -.1189

MACH (1) = .898 ALPHA (6) = 2.277 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2267 .4014

.020 .0358

.030 .0286

.048 -.0094

.050 -.2165

.085 -.1323

.150 -.7091

.177 -.3639

.250 -.6724

.274 -.4707

.402 -.4072

.565 -.3796

.650 -.5977

.750 -.6962

.760 -.4835

.808 -.7453

.850 -.2708

.857 -.4610

.905 -.2190

.950 -.1249

.953 -.1240

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U51)
 MACH (1) = .898 ALPHA (7) = 4.434 RUN = 134,000 RN/L = 6,000 BETA = -4.230

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1891 .4078
 .020 -.2349
 .030 -.0687
 .048 -.0971
 .050 -.3498
 .085 -.2333
 .150 -.9451
 .177 -.4424
 .250 -.9309
 .274 -.5804
 .402 -.4556
 .565 -.4113
 .650 -.5780
 .750 -.5131
 .760 -.5018
 .808 -.7505
 .850 -.2778
 .857 -.3870
 .905 -.1947
 .950 -.1448
 .955 -.1134

MACH (1) = .900 ALPHA (8) = 6.598 RUN = 134,000 RN/L = 6,000 BETA = -4.230

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1899 .3731
 .020 -.4892
 .030 -.1330
 .048 -.1745
 .050 -.4938
 .085 -.3300
 .150 -1.0583
 .177 -.5102
 .250 -1.1126
 .274 -.6595
 .402 -.5768
 .565 -.4362
 .650 -.5017
 .750 -.4924
 .760 -.4996
 .808 -.8867

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU51)

MACH (1) = .900 ALPHA (8) = 6.596

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3878
.857 -.3046
.905 -.1604
.950 -.2867
.953 -.1004

MACH (1) = .900 ALPHA (9) = 8.732 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1090 .2909
.020 -.7743
.030 -.2498
.048 -.2572
.050 -.6832
.085 -.4320
.130 -1.1175
.177 -.5715
.250 -1.1349
.274 -.7170
.402 -.7183
.565 -.4612
.650 -.5936
.750 -.6199
.760 -.4278
.808 -.5984
.850 -.5195
.857 -.2963
.905 -.1650
.950 -.4497
.953 -.1137

1A70 01 T12 S1 P2 P8 WING UPPER SURFACE (RF7U51)

MACH (2) = 1.089 ALPHA (1) = -8.692 RUN = 98.000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1236	-.0662
.020		.4668
.030	.3889	
.048	.3937	
.050		.4070
.085	.3751	
.150		.1931
.177	.1757	
.250		.0764
.274	.1115	
.402	.0546	
.565	.0108	
.650		-.0946
.750		-.3325
.760	-.0977	
.808	-.3521	
.850		-.3566
.857	-.3209	
.905	-.2194	
.950		-.2089
.953	-.1012	

MACH (2) = 1.104 ALPHA (2) = -6.535 RUN = 98.000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2127	.0947
.020		.4677
.030	.3476	
.048	.3349	
.050		.3577
.085	.3005	
.150		.1276
.177	.0729	
.250		.0211
.274	.0223	
.402	.0116	
.565	.0001	
.650		-.1145
.750		-.3257
.760	-.0904	
.808	-.3407	

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WING UPPER SURFACE

(RF7051)

MACH (2) = 1.104 ALPHA (2) = -6.535

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.050 -.3432
.057 -.3101
.055 -.2492
.050 -.1979
.053 -.1239

MACH (2) = 1.119 ALPHA (3) = -4.395 RUN = 98.000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000 .2764 .2355
.020 .4244
.030 .2939
.048 .2766
.050 .2938
.085 .2334
.150 .0727
.177 .0289
.250 -.0901
.274 -.1458
.402 .0221
.565 -.0331
.650 -.1835
.750 -.3276
.780 -.0911
.808 -.3359
.850 -.3361
.857 -.3018
.903 -.2730
.950 -.1868
.953 -.1768

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7051)

MACH (2) = 1.128 ALPHA (4) = -2.138 RUN = 98,000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3020 .3489

.020 .3558

.030 .2307

.048 .2007

.050 .1689

.085 .1256

.150 -.1438

.177 -.0268

.250 -.3004

.274 -.2113

.402 -.1479

.565 -.0312

.650 -.1935

.750 -.3357

.760 -.0903

.808 -.3300

.850 -.3148

.857 -.2907

.905 -.2670

.950 -.1359

.953 -.1990

MACH (2) = 1.127 ALPHA (5) = .034 RUN = 98,000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3600 .4190

.020 .2768

.030 .1652

.048 .1359

.050 .0905

.085 .0314

.150 -.2888

.177 -.0811

.250 -.4121

.274 -.2438

.402 -.2986

.565 -.0735

.650 -.2089

.750 -.3160

.760 -.1122

.808 -.3399

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7031)

MACH (2) = 1.127 ALPHA (3) = .034

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2248

.857 -.3005

.905 -.2921

.950 -.0896

.953 -.2330

MACH (2) = 1.116 ALPHA (6) = 2.220 RUN = 98.000 RN/L = 6.667 BETA = -4.325

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2889 .4775

.020 .1706

.030 .1057

.048 .0813

.050 .0040

.085 -.0347

.150 -.4399

.177 -.1538

.250 -.5071

.274 -.2991

.402 -.3680

.565 -.1309

.650 -.3664

.750 -.3721

.760 -.1428

.808 -.3588

.850 -.1852

.857 -.3153

.905 -.3146

.950 -.0925

.953 -.2606

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7051)

MACH (2) = 1.108 ALPHA (7) = 4.423 RUN = 98.000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2359	.5001
.020		.0162
.030	.0159	
.048	-.0057	
.050		-.0998
.085	-.1340	
.150		-.5585
.177	-.2315	
.250		-.6260
.274	-.3561	
.402	-.4217	
.565	-.1773	
.650		-.4685
.750		-.4512
.760	-.1710	
.808	-.3776	
.850		-.2826
.857	-.3319	
.905	-.3304	
.950		-.1752
.953	-.2802	

MACH (2) = 1.097 ALPHA (8) = 6.683 RUN = 98.000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1284	.5013
.020		-.2510
.030	-.0935	
.048	-.1026	
.050		-.1980
.085	-.2115	
.150		-.6300
.177	-.3015	
.250		-.7286
.274	-.4016	
.402	-.4559	
.565	-.2164	
.650		-.5378
.750		-.5049
.760	-.2158	
.808	-.4049	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7051)

MACH (2) = 1.097 ALPHA (8) = 6.683

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3895

.857 -.3583

.903 -.3531

.950 -.2712

.953 -.3017

MACH (2) = 1.088 ALPHA (9) = 8.852 RUN = 98,000 RN/L = 6.667 BETA = -4.325

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0186 .4978

.020 -.4152

.030 -.2203

.048 -.2053

.050 -.5054

.085 -.2893

.150 -.6937

.177 -.3605

.250 -.7862

.274 -.4348

.402 -.4635

.565 -.2551

.650 -.7401

.750 -.6164

.760 -.2752

.808 -.4552

.850 -.4984

.857 -.4019

.903 -.3931

.950 -.3506

.953 -.3381

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U51)

MACH (3) = 1.198 ALPHA (1) = -8.782 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0766 .0405

.020 .4777

.030 .3019

.048 .2981

.050 .4192

.085 .3052

.150 .2446

.177 .1538

.250 .1512

.274 -.0346

.402 .1801

.565 .0801

.650 .0024

.750 -.2015

.760 .0165

.808 -.1967

.850 -.2289

.857 -.1878

.905 -.1502

.950 -.0970

.953 -.0482

MACH (3) = 1.207 ALPHA (2) = -6.573 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2555 .1440

.020 .4364

.030 .3182

.048 .2945

.050 .3067

.085 .2471

.150 .0889

.177 .1150

.250 -.0817

.274 -.0551

.402 -.1074

.565 .0629

.650 -.0259

.750 -.2065

.760 .0171

.808 -.1948

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WING UPPER SURFACE

(RF7U51)

MACH (3) = 1.207 ALPHA (2) = -6.373

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.2276
.057 -.1781
.905 -.1643
.950 -.0981
.953 -.0783

MACH (3) = 1.214 ALPHA (3) = -4.357 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2429 .2634
.020 .4212
.030 .2677
.040 .2448
.050 .2647
.065 .1747
.150 -.0142
.177 .0543
.250 -.1925
.274 -.1184
.402 -.1923
.565 .0244
.650 -.0412
.750 -.2080
.760 .0063
.808 -.1991
.850 -.2111
.957 -.1837
.905 -.1819
.950 -.0847
.953 -.1251

1A7D O1 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U51)

MACH (3) = 1.216 ALPHA (4) = -2.137 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2918	.3492
.020		.3793
.030	.2292	
.048	.2035	
.050		.2072
.085	.1006	
.150		-.1062
.177	.0026	
.250		-.2569
.274	-.1645	
.402	-.2351	
.565	-.0512	
.650		-.1769
.750		-.2235
.760	-.0162	
.808	-.2142	
.850		-.1844
.857	-.1954	
.905	-.1991	
.950		-.0701
.953	-.1615	

MACH (3) = 1.215 ALPHA (5) = .060 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2964	.4264
.020		.3194
.030	.1721	
.048	.1478	
.050		.1454
.085	.0350	
.150		-.2184
.177	-.0550	
.250		-.3367
.274	-.2087	
.402	-.2755	
.565	-.1278	
.650		-.4026
.750		-.3245
.760	-.0394	
.808	-.2206	

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WING UPPER SURFACE

(RF7U51)

MACH (3) = 1.215 ALPHA (5) = .060

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .1915

.857 -.2043

.905 -.2195

.950 -.0683

.953 -.1875

MACH (3) = 1.208 ALPHA (6) = 2.276 RUN = 129.000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2889 .4780

.020 .2158

.030 .1046

.048 .0875

.050 .0584

.085 -.0511

.150 -.3572

.177 -.1166

.250 -.4330

.274 -.2560

.402 -.3257

.565 -.2285

.650 -.5315

.750 -.4326

.760 -.0706

.808 -.2409

.850 -.2439

.857 -.2161

.905 -.2339

.950 -.1782

.953 -.2116

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7051)

MACH (3) = 1.200 ALPHA (7) = 4.465 RUN = 129.000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2414 .5161

.020 .0700

.030 .0283

.048 .0187

.050 -.0248

.065 -.1223

.150 -.4545

.177 -.1718

.250 -.5310

.274 -.3070

.402 -.3683

.565 -.3071

.650 -.6072

.750 -.4964

.760 -.1005

.808 -.2545

.850 -.3139

.857 -.2324

.905 -.2496

.950 -.2839

.953 -.2260

MACH (3) = 1.190 ALPHA (8) = 6.648 RUN = 129.000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1403 .5224

.020 -.1825

.030 -.0702

.048 -.0698

.050 -.1438

.065 -.1860

.150 -.5023

.177 -.2392

.250 -.6041

.274 -.3437

.402 -.4136

.565 -.3257

.650 -.6881

.750 -.5611

.760 -.1374

.808 -.2763

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WING UPPER SURFACE

(RF7051)

MACH (3) = 1.190 ALPHA (8) = 6.648

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.3727

.857 -.2550

.905 -.2753

.950 -.3652

.953 -.2514

MACH (3) = 1.100 ALPHA (9) = 8.860 RUN = 129.000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0162 .5324

.020 -.2951

.030 -.1870

.048 -.1668

.050 -.3904

.065 -.2572

.150 -.5894

.177 -.3063

.250 -.6628

.274 -.3947

.402 -.4451

.565 -.3215

.650 -.7370

.750 -.6173

.760 -.1868

.800 -.3180

.850 -.4750

.857 -.2856

.905 -.3007

.950 -.4914

.953 -.2715

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7051)

MACH (4) = 1.504 ALPHA (1) = -8.802 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE-CP

2Y/B .4360 .7710

X/C

.000	.0698	.1455
.020		.4724
.030	.2784	
.048	.2757	
.050		.3816
.085	.2165	
.150		.1681
.177	.1640	
.250		.0505
.274	.0155	
.402	-.0518	
.585	-.1271	
.650		-.1322
.750		-.2104
.760	.1832	
.808	.0325	
.850		.0295
.857	.0051	
.905	-.0035	
.950		.1147
.955	.0065	

MACH (4) = 1.504 ALPHA (2) = -8.631 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0998	.1958
.020		.4603
.030	.2325	
.048	.2242	
.050		.3468
.085	.1555	
.150		.1172
.177	.1080	
.250		-.0123
.274	-.0308	
.402	-.0944	
.585	-.1890	
.650		-.1741
.750		-.2509
.760	.1358	
.808	-.0020	

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WING UPPER SURFACE

(RF7051)

MACH (4) = 1.504 ALPHA (2) = -8.631

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1317
.857 -.0074
.905 -.0199
.950 .0325
.953 -.0134

MACH (4) = 1.504 ALPHA (3) = -4.434 RUN = 111.000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1585 .2932
.020 .4598
.030 .1995
.048 .1854
.050 .3196
.085 .0994
.150 .0629
.177 .0542
.250 -.0661
.274 -.0735
.402 -.1339
.565 -.2011
.650 -.2244
.750 -.2849
.760 .0909
.808 -.0266
.850 -.2892
.857 -.0334
.905 -.0363
.950 -.0741
.953 -.0293

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7051)

MACH (4) = 1.504 ALPHA (4) = -2.185 RUN = 111,000 RN/L = 7,589 BETA = -4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2177	.3908
.020		.4174
.030	.1682	
.048	.1503	
.050		.2686
.085	.0536	
.150		-.0168
.177	.0051	
.250		-.1315
.274	-.1142	
.402	-.1667	
.565	-.2285	
.650		-.2712
.750		-.3288
.760	.0489	
.808	-.0517	
.850		-.3275
.857	-.0568	
.905	-.0573	
.950		-.1672
.953	-.0488	

MACH (4) = 1.504 ALPHA (5) = .046 RUN = 111,000 RN/L = 7,589 BETA = -4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2667	.4606
.020		.3682
.030	.1361	
.048	.1231	
.050		.2263
.085	.0087	
.150		-.1064
.177	-.0448	
.250		-.2140
.274	-.1508	
.402	-.2039	
.565	-.2353	
.650		-.3383
.750		-.3763
.760	.0017	
.808	-.0780	

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WING UPPER SURFACE

(RF7U51)

MACH (4) = 1.504 ALPHA (5) = .048

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.3685
.857	-.0800	
.905	-.0778	
.950		-.2344
.953	-.0702	

MACH (4) = 1.504 ALPHA (6) = 2.263 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2891	.4960
.020		.2515
.030	.0930	
.048	.0877	
.050		.1623
.085	-.0351	
.150		-.1749
.177	-.1037	
.250		-.2712
.274	-.1912	
.402	-.2360	
.565	-.2879	
.650		-.3876
.750		-.4259
.760	-.0547	
.808	-.1046	
.850		-.4174
.857	-.1007	
.905	-.0932	
.950		-.2678
.953	-.0822	

1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7051)

MACH (4) = 1.504 ALPHA (7) = 4.479 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2647	.5439
.020		.0738
.030	.0329	
.048	.0344	
.050		.0882
.085	-.0801	
.150		-.2360
.177	-.1614	
.250		-.3293
.274	-.2362	
.402	-.2710	
.565	-.3151	
.650		-.4351
.750		-.4662
.760	-.1174	
.808	-.1402	
.850		-.4550
.857	-.1219	
.905	-.1057	
.950		-.2629
.953	-.0949	

MACH (4) = 1.504 ALPHA (8) = 6.710 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1518	.5867
.020		-.0057
.030	-.0586	
.048	-.0469	
.050		-.0770
.085	-.1476	
.150		-.2930
.177	-.2104	
.250		-.3786
.274	-.2739	
.402	-.2982	
.565	-.3378	
.650		-.4831
.750		-.5045
.760	-.1626	
.808	-.1822	

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WING UPPER SURFACE

(RFTU51)

MACH (4) = 1.504 ALPHA (8) = 6.710

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .3883
.857 -.1587
.905 -.1355
.950 -.3177
.953 -.1208

MACH (4) = 1.504 ALPHA (9) = 8.931 RUN = 111.000 RN/L = 7.589 BETA = -4.355

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0640 .5785
.020 -.0770
.030 -.1707
.048 -.1215
.050 -.1839
.085 -.2071
.130 -.3549
.177 -.2611
.250 -.4219
.274 -.3082
.402 -.3236
.565 -.3573
.650 -.5124
.750 -.5263
.760 -.1983
.808 -.2201
.850 -.3967
.857 -.1906
.905 -.1631
.950 -.3645
.953 -.1437

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WING UPPER SURFACE

(RF7052) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -8.000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 BDFLAP = .000
 ELV-1B = 4.000 ELV-CB = 4.000

MACH (1) = .899 ALPHA (1) = -8.486 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0404 -.3624
 .020 .3098
 .030 .3410
 .048 .3343
 .050 .2926
 .085 .2806
 .150 .0077
 .177 .0911
 .250 -.1617
 .274 -.0204
 .402 -.1484
 .565 -.2663
 .650 -.3992
 .750 -.6876
 .760 -.4058
 .808 -.6344
 .850 -.4374
 .857 -.3943
 .905 -.1921
 .950 -.1061
 .953 -.1633

MACH (1) = .898 ALPHA (2) = -6.328 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1081 -.1991
 .020 .3116
 .030 .3053
 .048 .2866
 .050 .2041
 .085 .2159
 .150 -.0750
 .177 .0229
 .250 -.2269

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WING UPPER SURFACE

(RF7052)

MACH (1) = .898 ALPHA (2) = -6.328

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0728
.402	-.1871
.565	-.2871
.650	-.4416
.750	-.7099
.760	-.4479
.808	-.6729
.850	-.4582
.857	-.4019
.905	-.2051
.950	-.1163
.953	-.1637

MACH (1) = .897 ALPHA (3) = -4.192 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1142	-.0341
.020		.2920
.030	.2725	
.048	.2517	
.050		.1398
.085	.1732	
.150		-.1802
.177	-.0419	
.250		-.2919
.274	-.1260	
.402	-.2264	
.565	-.3056	
.650		-.4919
.750		-.7306
.760	-.4806	
.808	-.7078	
.850		-.4264
.857	-.4370	
.905	-.2182	
.950		-.1291
.953	-.1619	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U32)

MACH (1) = .899 ALPHA (4) = -2.020 RUN = 96,000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1145	.1181
.020		.2402
.030	.1841	
.048	.1738	
.050		.0511
.085	.1142	
.150		-.3004
.177	-.0893	
.250		-.3873
.274	-.1742	
.402	-.2640	
.565	-.3260	
.650		-.5261
.750		-.7352
.760	-.4973	
.808	-.7287	
.850		-.3890
.857	-.4558	
.905	-.2258	
.950		-.1310
.953	-.1597	

MACH (1) = .899 ALPHA (5) = .119 RUN = 96,000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1032	.2535
.020		.1556
.030	.0843	
.048	.0701	
.050		-.0549
.085	.0171	
.150		-.3909
.177	-.1398	
.250		-.5188
.274	-.2159	
.402	-.2988	
.565	-.3487	
.650		-.5494
.750		-.7379
.760	-.5180	
.808	-.7488	

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WING UPPER SURFACE

(RF7052)

MACH (1) = .899 ALPHA (5) = .119

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.3306
.857	-.4169
.905	-.2247
.950	-.1304
.953	-.1559

MACH (1) = .900 ALPHA (6) = 2.259 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0597	.3386
.020		.0318
.030	-.0038	
.048	-.0191	
.050		-.1637
.085	-.0748	
.150		-.5158
.177	-.2071	
.250		-.6291
.274	-.2657	
.402	-.3326	
.565	-.3664	
.650		-.5858
.750		-.7422
.760	-.5372	
.808	-.7276	
.850		-.2821
.857	-.3573	
.905	-.2255	
.950		-.1289
.953	-.1611	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (1) = .800 ALPHA (7) = 4.429 RUN = 98,000 RN/L = 6,011 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	-.0156	.3770
.020		-.1327
.030	-.0942	
.040	-.1041	
.050		-.2702
.060	-.1650	
.100		-.7261
.177	-.2880	
.250		-.7537
.274	-.3312	
.402	-.3806	
.565	-.3967	
.650		-.6262
.750		-.7365
.760	-.5545	
.808	-.6328	
.850		-.2641
.857	-.3330	
.905	-.2216	
.950		-.1278
.953	-.1604	

MACH (1) = .898 ALPHA (8) = 6.562 RUN = 98,000 RN/L = 6,011 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	-.1042	.3636
.020		-.3848
.030	-.1929	
.040	-.1699	
.050		-.4300
.060	-.2527	
.100		-.9813
.177	-.3679	
.250		-.9212
.274	-.4016	
.402	-.4326	
.565	-.4305	
.650		-.4616
.750		-.5428
.760	-.5580	
.808	-.5513	

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U52)

MACH (1) = .898 ALPHA (8) = 6.582

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2792
.857 -.3028
.905 -.2087
.950 -.1650
.953 -.1556

MACH (1) = .899 ALPHA (9) = 6.714 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.1525 .3400
.020 -.6449
.030 -.2810
.048 -.2631
.050 -.5517
.085 -.3290
.150 -1.0787
.177 -.4423
.250 -1.1477
.274 -.4744
.402 -.4905
.565 -.4645
.650 -.5026
.750 -.5754
.760 -.4908
.808 -.4366
.850 -.3839
.857 -.2772
.905 -.2030
.950 -.2871
.953 -.1569

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7032)

MACH (2) = 1.082 ALPHA (1) = -8.767 RUN = 97.000 RN/L = 6.678 BETA = -8.645

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.0653	-.2082
.020		.3961
.030	.3520	
.048	.3706	
.050		.3789
.085	.3728	
.150		.2072
.177	.1998	
.250		.0874
.274	.1250	
.402	.0550	
.565	-.0328	
.650		-.1112
.750		-.3525
.760	-.1489	
.808	-.3962	
.850		-.3853
.857	-.3859	
.905	-.3082	
.950		-.2354
.953	-.2225	

MACH (2) = 1.097 ALPHA (2) = -8.547 RUN = 97.000 RN/L = 6.678 BETA = -8.645

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.0997	-.0429
.020		.4270
.030	.3081	
.048	.3143	
.050		.3588
.085	.3067	
.150		.1584
.177	.1284	
.250		.0561
.274	.0746	
.402	.0215	
.565	-.0449	
.650		-.1283
.750		-.3455
.760	-.1325	
.808	-.3725	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (2) = 1.097 ALPHA (2) = -6.547

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3756
.857 -.3671
.905 -.3032
.950 -.2370
.953 -.2213

MACH (2) = 1.108 ALPHA (3) = -4.332 RUN = .97,000 RN/L = 6.670 BETA = -6.645

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0952 .1246
.020 .4144
.030 .2099
.048 .2155
.050 .2982
.085 .2164
.150 .0993
.177 .0447
.250 -.0125
.274 -.0320
.402 -.0135
.565 -.0437
.650 -.1524
.750 -.3447
.760 -.1203
.808 -.3652
.850 -.3670
.857 -.3405
.905 -.2946
.950 -.2275
.953 -.2169

1A70 01 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U52)

MACH (2) = 1.117 ALPHA (4) = -2.114 RUN = 97,000 RN/L = 6,678 BETA = -0.645

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1099	.2460
.020		.3335
.030	.1270	
.048	.1252	
.050		.1777
.085	.1077	
.150		.0796
.177	-.0067	
.250		-.1190
.274	-.1478	
.402	-.0344	
.565	-.0569	
.650		-.1927
.750		-.3506
.760	-.1325	
.808	-.3657	
.850		-.3588
.857	-.3166	
.905	-.2923	
.950		-.1962
.953	-.2299	

MACH (2) = 1.114 ALPHA (5) = .115 RUN = 97,000 RN/L = 6.678 BETA = -0.645

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0941	.3526
.020		.2627
.030	.0640	
.048	.0565	
.050		.0908
.085	.0272	
.150		-.2091
.177	-.0796	
.250		-.2961
.274	-.1763	
.402	-.1156	
.565	-.1013	
.650		-.2325
.750		-.3586
.760	-.1586	
.808	-.3756	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U52)

MACH (2) = 1.114 ALPHA (5) = .115

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z Y/B .4360 .7710

X/C

.850	-.3319
.857	-.3000
.905	-.2907
.950	-.1673
.953	-.2295

MACH (2) = 1.107 ALPHA (6) = 2.330 RUN = 97.000 RN/L = 6.678 BETA = -8.645

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z Y/B .4360 .7710

X/C

.000	.0293	.4243
.020		.1515
.030	-.0094	
.048	-.0174	
.050		-.0010
.085	-.0453	
.150		-.3759
.177	-.1463	
.250		-.4482
.274	-.2242	
.402	-.2062	
.565	-.1136	
.650		-.2520
.750		-.3915
.760	-.2028	
.808	-.4231	
.850		-.3051
.857	-.3174	
.905	-.3018	
.950		-.1549
.953	-.2388	

1A7D- 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U52)

MACH (2) = 1.097 ALPHA (7) = 4.539 RUN = 97.000 RN/L = 6.678 BETA = -0.645

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0214	.4542
.020		.0052
.030	-.0590	
.048	-.0663	
.050		-.0953
.065	-.0985	
.150		-.5257
.177	-.2000	
.250		-.5602
.274	-.2691	
.402	-.2392	
.565	-.1388	
.650		-.2697
.750		-.3931
.760	-.2379	
.808	-.4578	
.850		-.3382
.857	-.3483	
.905	-.3255	
.950		-.1851
.953	-.2510	

MACH (2) = 1.088 ALPHA (8) = 6.739 RUN = 97.000 RN/L = 6.678 BETA = -0.645

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0706	.4698
.020		-.2002
.030	-.1102	
.048	-.1147	
.050		-.1670
.065	-.1490	
.150		-.6153
.177	-.2422	
.250		-.6773
.274	-.2903	
.402	-.2643	
.565	-.1825	
.650		-.3533
.750		-.4429
.760	-.2823	
.808	-.4927	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (2) = 1.066 ALPHA (8) = 8.739

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650	-.3593
.657	-.3980
.905	-.3749
.950	-.2037
.953	-.2889

MACH (2) = 1.079 ALPHA (9) = 8.949 RUN = 97.000 RM/L = 6.678 BETA = -8.645

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0864	.4642
.020		-.3911
.030	-.1457	
.048	-.1472	
.050		-.3761
.085	-.1852	
.150		-.6717
.177	-.2795	
.250		-.7788
.274	-.3331	
.402	-.3249	
.565	-.2378	
.650		-.4746
.750		-.5247
.760	-.3286	
.808	-.5262	
.850		-.3667
.857	-.4474	
.905	-.4058	
.950		-.2189
.953	-.3267	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (3) = 1.192 ALPHA (1) = -8.815 RUN = 133,000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0302	-.0999
.020		.4212
.030	.2519	
.040	.2557	
.050		.4027
.085	.2716	
.150		.2575
.177	.1449	
.250		.1654
.274	-.0122	
.402	.1396	
.565	-.0060	
.650		-.0176
.750		-.2104
.760	-.0289	
.808	-.2364	
.850		-.2466
.857	-.2608	
.905	-.2211	
.950		-.1187
.953	-.1454	

MACH (3) = 1.202 ALPHA (2) = -6.517 RUN = 133,000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1111	.0193
.020		.3851
.030	.2407	
.040	.2294	
.050		.2945
.085	.2169	
.150		.1458
.177	.0945	
.250		.1632
.274	-.0413	
.402	.0193	
.565	-.0279	
.650		-.0715
.750		-.2187
.760	-.0226	
.808	-.2277	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (3) = 1.202 ALPHA (2) = -6.517

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 .2510

.857 -.2432

.905 -.2160

.950 -.1323

.953 -.1453

MACH (3) = 1.210 ALPHA (3) = -4.326 RUN = 133.000 RNL = 7.056 BETA = -8.663

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0890 .1435

.020 .3758

.030 .2111

.040 .2114

.050 .2464

.065 .1809

.150 .0180

.177 .0526

.250 -.1109

.274 -.1039

.402 -.1472

.565 -.0490

.650 -.0903

.750 -.2376

.760 -.0220

.808 -.2299

.850 -.2520

.857 -.2362

.905 -.2185

.950 -.1333

.953 -.1630

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (3) = 1.215 ALPHA (4) = -2.106 RUN = 133,000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1124	.2574
.020		.3442
.030	.1376	
.048	.1366	
.050		.1869
.085	.1193	
.150		-.0706
.177	-.0042	
.250		-.1944
.274	-.1455	
.402	-.1958	
.565	-.0723	
.650		-.1167
.750		-.2495
.760	-.0415	
.808	-.2386	
.850		-.2496
.857	-.2195	
.905	-.2233	
.950		-.1298
.955	-.1807	

MACH (3) = 1.212 ALPHA (5) = .140 RUN = 133,000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1039	.3489
.020		.2949
.030	.0784	
.048	.0694	
.050		.1238
.085	.0448	
.150		-.1863
.177	-.0640	
.250		-.3003
.274	-.1803	
.402	-.2313	
.565	-.0930	
.650		-.2061
.750		-.2855
.760	-.0798	
.808	-.2612	

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1A70 Q1 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U32)

MACH (3) = 1.212 ALPHA (5) = .140

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650	-.2495
.657	-.2226
.905	-.2265
.950	-.1027
.953	-.1925

MACH (3) = 1.206 ALPHA (6) = 2.370 RUN = 133,000 RN/L = 7,056 BETA = -8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0554	.4136
.020		.1765
.030	.0126	
.048	.0045	
.050		.0405
.065	-.0229	
.150		-.3231
.177	-.1229	
.250		-.3936
.274	-.2180	
.402	-.2760	
.565	-.0976	
.650		-.2750
.750		-.3175
.760	-.1203	
.806	-.2949	
.850		-.2281
.857	-.2494	
.905	-.2516	
.950		-.0777
.953	-.2137	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (3) = 1.196 ALPHA (7) = 4.591 RUN = 133.000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0139	.4490
.020		.0341
.030	-.0345	
.040	-.0425	
.050		-.0380
.065	-.0746	
.150		-.4427
.177	-.1708	
.250		-.5041
.274	-.2534	
.402	-.3072	
.565	-.1253	
.650		-.3456
.750		-.3692
.760	-.1551	
.808	-.3173	
.850		-.2255
.857	-.2622	
.905	-.2695	
.950		-.0935
.953	-.2277	

MACH (3) = 1.190 ALPHA (8) = 6.807 RUN = 133.000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0190	.4709
.020		-.1616
.030	-.0829	
.040	-.0861	
.050		-.1198
.065	-.1241	
.150		-.5008
.177	-.2163	
.250		-.5841
.274	-.2872	
.402	-.3399	
.565	-.1527	
.650		-.4162
.750		-.4381
.760	-.1624	
.808	-.3276	

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1A7Q O1 T12 S1 P2 P5

WING UPPER SURFACE

(RF7052)

MACH (3) = 1.190 ALPHA (6) = 6.807

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3007
.857 -.2762
.905 -.2872
.950 -.1524
.953 -.2479

MACH (3) = 1.176 ALPHA (9) = 9.040 RUN = 133.000 RN/L = 7.056 BETA = -8.665

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0519 .4780
.020 -.3039
.030 -.1271
.040 -.1261
.050 -.3555
.085 -.1683
.150 -.5585
.177 -.2544
.250 -.6540
.274 -.3174
.402 -.3575
.565 -.1824
.650 -.4871
.750 -.4907
.760 -.2298
.808 -.3762
.850 -.3755
.857 -.3272
.905 -.3296
.950 -.2032
.953 -.2856

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (4) = 1.504 ALPHA (1) = -8.809 RUN = 112.000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0596	.0213
.020		.3893
.030	.2516	
.040	.2534	
.050		.3336
.085	.2214	
.150		.1716
.177	.1669	
.250		.0636
.274	.0269	
.402	-.0478	
.565	-.0570	
.650		-.0398
.750		-.1294
.760	.1594	
.808	.0567	
.850		-.0224
.857	-.0058	
.905	-.0301	
.950		.0737
.953	-.0270	

MACH (4) = 1.504 ALPHA (2) = -8.631 RUN = 112.000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0439	.0841
.020		.3899
.030	.2139	
.040	.2083	
.050		.3132
.085	.1494	
.150		.1282
.177	.1101	
.250		.0239
.274	-.0168	
.402	-.0980	
.565	-.1094	
.650		-.0956
.750		-.1649
.760	.0842	
.808	.0177	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (4) = 1.504 ALPHA (2) = -6.631

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.1189
.837 -.0133
.905 -.0406
.950 .0456
.933 -.0448

MACH (4) = 1.504 ALPHA (3) = -4.399 RUN = 112,000 RNL = 7.622 BETA = -8.711

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0293 .2007
.020 .4007
.030 .1710
.048 .1748
.050 .2856
.085 .1106
.150 .0715
.177 .0713
.250 -.0390
.274 -.0511
.402 -.1218
.565 -.1711
.650 -.1650
.750 -.2145
.760 .0544
.808 -.0248
.830 -.1980
.857 -.0280
.905 -.0480
.950 -.0180
.933 -.0516

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U52)

MACH (4) = 1.504 ALPHA (4) = -2.155 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING-UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.0876	.2943
.020		.3792
.030	.0982	
.040	.1029	
.050		.2451
.065	.0888	
.150		-.0020
.177	.0305	
.250		-.1093
.274	-.0842	
.402	-.1455	
.565	-.1881	
.650		-.2368
.750		-.2635
.760	.0223	
.808	-.0669	
.850		-.2372
.857	-.0717	
.905	-.0733	
.950		-.1012
.953	-.0641	

MACH (4) = 1.504 ALPHA (5) = .095 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.0806	.3803
.020		.3375
.030	.0839	
.040	.0607	
.050		.2055
.065	.0450	
.150		-.0877
.177	-.0179	
.250		-.1808
.274	-.1097	
.402	-.1687	
.565	-.2103	
.650		-.2672
.750		-.3352
.760	.0012	
.808	-.0986	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U52)

MACH (4) = 1.504 ALPHA (5) = .095

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2953

.857 -.1001

.905 -.1058

.950 -.1342

.953 -.0914

MACH (4) = 1.504 ALPHA (6) = 2.323 RUN = 112.000 RN/L = 7.822 BETA = -8.711

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0669 .4422

.020 .2499

.030 .0253

.046 .0212

.050 .1534

.085 -.0002

.150 -.1684

.177 -.0585

.250 -.2542

.274 -.1370

.402 -.1933

.565 -.2456

.650 -.3390

.750 -.3806

.760 -.0153

.808 -.1090

.850 -.3603

.857 -.1088

.905 -.1147

.950 -.1960

.953 -.1079

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (4) = 1.504 ALPHA (7) = 4.563 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0377	.4765
.020		.0879
.030	-.0143	
.048	-.0169	
.050		.0785
.085	-.0453	
.150		-.2281
.177	-.1013	
.250		-.3140
.274	-.1672	
.402	-.2176	
.565	-.2667	
.650		-.3963
.750		-.4189
.760	-.0432	
.808	-.1209	
.850		-.3814
.857	-.1153	
.905	-.1226	
.950		-.2328
.953	-.1152	

MACH (4) = 1.504 ALPHA (8) = 6.800 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0090	.4912
.020		-.0326
.030	-.0607	
.048	-.0554	
.050		-.0867
.085	-.0886	
.150		-.2878
.177	-.1372	
.250		-.3625
.274	-.1926	
.402	-.2381	
.565	-.2888	
.650		-.4422
.750		-.4551
.760	-.0764	
.808	-.1509	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (4) = 1.504 ALPHA (8) = 6.800

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 - .3382
.857 - .1387
.905 - .1387
.950 - .2534
.953 - .1288

MACH (4) = 1.504 ALPHA (9) = 9.048 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 - .0117 .5199
.020 - .0850
.030 - .1011
.048 - .0863
.050 - .1777
.085 - .1242
.150 - .3429
.177 - .1648
.250 - .4083
.274 - .2200
.402 - .2596
.565 - .3077
.650 - .4832
.750 - .4958
.760 - .1081
.808 - .1815
.850 - .3331
.857 - .1851
.905 - .1607
.950 - .2934
.953 - .1496

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

BREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.8800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 8.000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 BDFLAP = .000
 ELV-1B = 8.000 ELV-OB = 8.000

MACH (1) = .900 ALPHA (1) = -8.402 RUN = 150,000 RN/L = 6.000 BETA = 8.461

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2849 .2131
 .020 .5510
 .030 .4385
 .048 .3876
 .050 .3416
 .065 .2573
 .130 -.0557
 .177 -.0433
 .230 -.2298
 .274 -.1303
 .402 -.1512
 .565 -.0511
 .650 -.1314
 .750 -.7421
 .760 -.2129
 .808 -.7459
 .850 -.2678
 .857 -.3233
 .905 -.0523
 .950 .0052
 .953 .0101

MACH (1) = .898 ALPHA (2) = -8.194 RUN = 150,000 RN/L = 6.000 BETA = 8.461

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3844 .3451
 .020 .4883
 .030 .3701
 .046 .3077
 .050 .2354
 .065 .1534
 .130 -.2012
 .177 -.1830
 .250 -.3932

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8 . WING UPPER SURFACE

(RF7U33)

MACH (1) = .898 ALPHA (2) = -6.194

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.2373	
.402	-.2256	
.565	-.0018	
.650		-.1276
.750		-.7427
.760	-.2326	
.808	-.7537	
.850		-.1876
.857	-.2252	
.905	-.0310	
.950		.0424
.953	.0211	

MACH (1) = .898 ALPHA (3) = -4.062 RUN = 150,000 RN/L = 6.000 BETA = 6.461

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B4360 .7710

X/C

.000	.4546	.4698
.020		.3926
.030	.2957	
.048	.2254	
.050		.1198
.085	.0480	
.150		-.3865
.177	-.2705	
.250		-.5271
.274	-.4161	
.402	-.3108	
.565	-.1295	
.650		-.1542
.750		-.7527
.760	-.2308	
.808	-.7588	
.850		-.0760
.857	-.1553	
.905	-.0115	
.950		.0753
.953	.0315	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (1) = .897 ALPHA (4) = -1.905 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4984 .5678

.020 .2533

.030 .2044

.040 .1315

.050 -.0171

.065 -.0701

.100 -.6024

.177 -.3383

.230 -.7447

.274 -.5320

.402 -.3855

.565 -.1683

.650 -.1828

.750 -.7477

.760 -.2710

.808 -.7385

.850 -.0142

.857 -.1066

.905 .0016

.950 .0761

.953 .0376

MACH (1) = .897 ALPHA (5) = .253 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5095 .6223

.020 .0912

.030 .1077

.040 .0374

.050 -.1416

.065 -.1964

.100 -.6280

.177 -.4188

.230 -.8974

.274 -.6636

.402 -.6347

.565 -.1948

.650 -.4721

.750 -.3603

.760 -.2763

.808 -.5752

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U53)

MACH (1) = .897 ALPHA (5) = .253

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0753
.857 -.0817
.905 .0104
.950 .0287
.953 .0445

MACH (1) = .899 ALPHA (6) = 2.417 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5002 .6327
.020 -.1032
.030 .0052
.048 -.0534
.050 -.2627
.085 -.3791
.150 -.9461
.177 -.4989
.250 -1.0331
.274 -.7414
.402 -.7693
.565 -.2608
.650 -.6093
.750 -.5081
.760 -.2667
.808 -.5033
.850 -.3998
.857 -.0912
.905 .0009
.950 -.2898
.953 .0348

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U33)

MACH (1) = .898 ALPHA (7) = 4.586 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4735	.6045
.020		-.3888
.030	-.1038	
.048	-.1475	
.050		-.4128
.065	-.4747	
.150		-1.0233
.177	-.5603	
.250		-1.0401
.274	-.8082	
.402	-.8383	
.565	-.3768	
.650		-.6035
.750		-.5358
.760	-.2385	
.808	-.6252	
.850		-.4744
.857	-.1131	
.905	-.0246	
.950		-.4320
.953	.0073	

MACH (1) = .899 ALPHA (8) = 6.742 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4324	.5512
.020		-.6708
.030	-.2239	
.048	-.2408	
.050		-.7886
.065	-.5564	
.150		-1.0667
.177	-.7079	
.250		-1.0318
.274	-.8387	
.402	-.8982	
.565	-.4387	
.650		-.8199
.750		-.5808
.760	-.2390	
.808	-.6584	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U33)

MACH (1) = .699 ALPHA (8) = 8.742

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.890 -.5335
.857 -.1773
.905 -.0730
.950 -.5103
.953 -.0388

MACH (1) = .699 ALPHA (9) = 8.888 RUN = 150.000 RN/L = 6.000 BETA = 8.461

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4203 .5005
.020 -.8043
.030 -.3144
.048 -.3092
.050 -.9608
.085 -.6315
.150 -1.2277
.177 -.8207
.250 -1.1351
.274 -.9113
.402 -.9479
.565 -.4989
.650 -.7282
.750 -.7223
.760 -.2995
.808 -.6820
.850 -.6883
.857 -.2549
.905 -.1429
.950 -.6441
.953 -.1029

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (2) = 1.076 ALPHA (1) = -8.845 RUN = 159.000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3384	.3744
.020		.6064
.030	.4989	
.048	.4537	
.050		.4021
.085	.3374	
.150		.0353
.177	.0343	
.250		-.1686
.274	-.1917	
.402	-.2631	
.565	.1206	
.650		-.0671
.750		-.4358
.760	.0091	
.808	-.4105	
.850		-.3922
.857	-.3354	
.905	-.2061	
.950		-.1760
.953	-.1267	

MACH (2) = 1.092 ALPHA (2) = -8.585 RUN = 159.000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4497	.4711
.020		.5818
.030	.4609	
.048	.4045	
.050		.3562
.085	.2693	
.150		-.0400
.177	.0082	
.250		-.2681
.274	-.2313	
.402	-.3086	
.565	.0609	
.650		-.2495
.750		-.4447
.760	-.0093	
.808	-.4123	

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TABULATED PRESSURE DATA - 1A70.

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (2) = 1.092 ALPHA (2) = -6.585

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3239
.857 -.3274
.905 -.2238
.950 -.1491
.953 -.1401

MACH (2) = 1.103 ALPHA (3) = -4.424 RUN = 159.000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5140 .5557
.020 .5330
.030 .4005
.046 .3381
.050 .2949
.085 .1572
.150 -.1322
.177 -.0397
.250 -.3353
.274 -.2800
.402 -.3631
.565 -.0978
.650 -.5970
.750 -.6590
.760 -.0127
.808 -.3983
.850 -.3017
.857 -.3770
.905 -.3044
.950 -.1979
.953 -.1418

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (2) = 1.112 ALPHA (4) = -2.194 RUN = 159,000 RN/L = 6.533 BETA = 6.599

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5592	.6370
.020		.4706
.030	.5294	
.046	.2680	
.050		.2420
.085	.0138	
.150		-.2511
.177	-.1215	
.250		-.4128
.274	-.5239	
.402	-.4082	
.565	-.2576	
.650		-.6595
.750		-.7828
.760	-.0393	
.808	-.3719	
.850		-.4022
.857	-.3607	
.905	-.3040	
.950		-.3223
.953	-.2475	

MACH (2) = 1.110 ALPHA (5) = .004 RUN = 159,000 RN/L = 6.533 BETA = 6.599

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5782	.7281
.020		.3636
.030	.2432	
.046	.1887	
.050		.1822
.085	-.0704	
.150		-.4036
.177	-.2106	
.250		-.5192
.274	-.3996	
.402	-.4636	
.565	-.4304	
.650		-.7163
.750		-.8324
.760	-.1052	
.808	-.3661	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U53)

MACH (2) = 1.110 ALPHA (5) = .004

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4778
.857 -.3567
.905 -.3125
.950 -.4124
.953 -.2814

MACH (2) = 1.104 ALPHA (6) = 2.212 RUN = 159,000 RN/L = 6.533 BETA = 6.599

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5713 .7584
.020 .1891
.030 .1445
.048 .1055
.050 .0429
.085 -.1520
.150 -.5096
.177 -.3196
.250 -.6191
.274 -.4621
.402 -.5183
.565 -.5696
.650 -.7932
.750 -.8149
.760 -.1851
.808 -.3798
.850 -.6214
.857 -.3670
.905 -.3326
.950 -.5387
.953 -.2829

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U33)

MACH (2) = 1.095 ALPHA (7) = 4.401 RUN = 159.000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5411	.7299
.020		-.1428
.030	.0147	
.048	.0135	
.050		-.1398
.085	-.2435	
.150		-.5918
.177	-.4241	
.250		-.7098
.274	-.5431	
.402	-.5895	
.565	-.6403	
.650		-.8663
.750		-.8933
.760	-.2824	
.808	-.4218	
.850		-.6687
.857	-.3980	
.905	-.3563	
.950		-.5727
.953	-.3005	

MACH (2) = 1.086 ALPHA (8) = 6.591 RUN = 159.000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4769	.7032
.020		-.2994
.030	-.1404	
.048	-.1032	
.050		-.4325
.085	-.3519	
.150		-.6968
.177	-.5431	
.250		-.7939
.274	-.6420	
.402	-.6566	
.565	-.7096	
.650		-.9315
.750		-.8051
.760	-.3501	
.808	-.4732	

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1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U53)

MACH (2) = 1.086 ALPHA (8) = 6.591

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 -.7580
.857 -.4479
.905 -.3969
.950 -.6692
.953 -.3088

MACH (2) = 1.077 ALPHA (9) = 8.784 RUN = 159.000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4750 .6643
.020 -.4302
.030 -.2340
.048 -.2149
.050 -.5796
.085 -.4502
.150 -.8323
.177 -.6538
.250 -.8819
.274 -.7627
.402 -.7426
.565 -.7573
.650 -.9881
.750 -.8510
.760 -.3951
.808 -.5416
.850 -.8155
.857 -.5406
.905 -.4789
.950 -.7408
.953 -.3722

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7053)

MACH (3) = 1.188 ALPHA (1) = -8.682 RUN = 149,000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3320	.4358
.020		.6683
.030	.5233	
.048	.4869	
.050		.4793
.085	.3966	
.150		.1394
.177	.1478	
.250		-.0725
.274	-.0809	
.402	-.1667	
.565	.0924	
.650		-.3169
.750		-.3553
.760	.0936	
.808	-.2803	
.850		-.2375
.857	-.2620	
.905	-.1653	
.950		-.1165
.953	-.0363	

MACH (3) = 1.199 ALPHA (2) = -8.446 RUN = 149,000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3875	.5174
.020		.8480
.030	.4446	
.048	.3988	
.050		.4345
.085	.2611	
.150		.0767
.177	.0781	
.250		-.1408
.274	-.1263	
.402	-.2094	
.565	-.1745	
.650		-.4309
.750		-.5932
.760	.0716	
.808	-.2730	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P0

WING UPPER SURFACE ~

(RF7U53)

MACH (3) = 1.199 ALPHA (2) = -6.446

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3384
.857 -.2613
.905 -.2039
.950 -.1767
.953 -.1593

MACH (3) = 1.206 ALPHA (3) = -4.220 RUN = 149.000 RIV/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4344 .6060
.020 .5990
.030 .3782
.048 .3277
.050 .3816
.085 .1330
.150 -.0224
.177 .0098
.250 -.2131
.274 -.1841
.402 -.2588
.565 -.3563
.850 -.4781
.750 -.6287
.760 .0258
.808 -.2644
.850 -.4168
.857 -.2520
.905 -.2045
.950 -.2763
.953 -.1691

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (3) = 1.211 ALPHA (4) = -2.000 RUN = 149.000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4782 .6750

.020 .5293

.030 .3108

.048 .2617

.050 .3209

.085 .0568

.150 -.1374

.177 -.0601

.250 -.3031

.274 -.2506

.402 -.3147

.565 -.4067

.650 -.5503

.750 -.6733

.760 -.0720

.808 -.2660

.850 -.4108

.857 -.2311

.905 -.2108

.950 -.3372

.953 -.1806

MACH (3) = 1.207 ALPHA (5) = .246 RUN = 149.000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4991 .7208

.020 .4354

.030 .2545

.048 .2134

.050 .2474

.085 -.0099

.150 -.2748

.177 -.1595

.250 -.3956

.274 -.3129

.402 -.3715

.565 -.4541

.650 -.5985

.750 -.7091

.760 -.1758

.808 -.2992

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (3) = 1.207 ALPHA (5) = .246

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4325
.857 -.2763
.905 -.2332
.950 -.3640
.953 -.1968

MACH (3) = 1.203 ALPHA (6) = 2.456 RUN = 149.000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5607 .7802
.020 .3022
.030 .1655
.048 .1391
.050 .1531
.085 -.1025
.150 -.3671
.177 -.2617
.250 -.4770
.274 -.3835
.402 -.4285
.565 -.4922
.650 -.8612
.750 -.7499
.760 -.2597
.808 -.3458
.850 -.4979
.857 -.3138
.905 -.2607
.950 -.4380
.953 -.2164

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U53)

MACH (3) = 1.196 ALPHA (7) = 4.683 RUN = 149.000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5374 .7916

.020 -.0045

.030 .0540

.048 .0576

.050 .0011

.085 -.1764

.150 -.4435

.177 -.3674

.250 -.5614

.274 -.4668

.402 -.4737

.565 -.5283

.650 -.7145

.750 -.6889

.760 -.3331

.808 -.4035

.850 -.5740

.857 -.3663

.905 -.3047

.950 -.5336

.953 -.2418

MACH (3) = 1.187 ALPHA (8) = 6.885 RUN = 149.000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5480 .7744

.020 -.1458

.030 -.0439

.048 -.0418

.050 -.2707

.085 -.2678

.150 -.5376

.177 -.4618

.250 -.6344

.274 -.5471

.402 -.5421

.565 -.5802

.650 -.7790

.750 -.7075

.760 -.4034

.808 -.4725

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U53)

MACH (3) = 1.187 ALPHA (8) = 8.883

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.6418
.857	-.4264
.905	-.3600
.950	-.5987
.953	-.2473

MACH (3) = 1.173 ALPHA (9) = 9.098 RUN = 149,000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5686	.7399
.020		-.2728
.030	-.1059	
.048	-.1027	
.050		-.4205
.085	-.3277	
.150		-.6652
.177	-.5330	
.250		-.7145
.274	-.6354	
.402	-.8150	
.565	-.6465	
.650		-.8222
.750		-.7216
.760	-.4569	
.808	-.5447	
.850		-.6861
.857	-.4661	
.905	-.4202	
.950		-.6531
.953	-.2624	

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U53)

MACH (4) = 1.504 ALPHA (1) = -6.839 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3682 .6072

.020 .7555

.030 .4757

.048 .4466

.050 .5826

.085 .3112

.150 .2522

.177 .2134

.250 .0749

.274 .0246

.402 -.0487

.565 -.1186

.650 -.1836

.750 -.3257

.760 .1836

.808 -.0130

.850 -.3304

.857 -.0069

.905 .0235

.950 -.1674

.953 .0459

MACH (4) = 1.504 ALPHA (2) = -6.529 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4049 .6488

.020 .7143

.030 .4243

.048 .3934

.050 .5319

.085 .2375

.150 .1701

.177 .1323

.250 .0082

.274 -.0359

.402 -.1111

.565 -.1700

.650 -.2393

.750 -.3704

.760 .0811

.808 -.0467

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U53)

MACH (4) = 1.504 ALPHA (2) = -6.529

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .3726
.857 -.0286
.905 .0029
.950 -.2879
.953 .0202

MACH (4) = 1.504 ALPHA (3) = -4.282 RUN = 102.000 RM/L = 7.722 BETA = 6.710

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4653 .6957
.020 .6733
.030 .3622
.048 .3282
.050 .4877
.085 .1638
.150 .0932
.177 .0451
.250 -.0620
.274 -.0964
.402 -.1547
.565 -.2178
.650 -.2888
.750 -.3996
.760 -.0115
.808 -.1000
.850 -.4074
.857 -.0690
.905 -.0324
.950 -.3446
.953 -.0103

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (4) = 1.504 ALPHA (4) = -2.019 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING UPPER SURFACE -

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4825	.7382
.020		.6266
.030	.3020	
.048	.2707	
.050		.4447
.085	.0978	
.150		.0224
.177	-.0417	
.250		-.1238
.274	-.1577	
.402	-.2098	
.565	-.2585	
.650		-.3351
.750		-.4324
.760	-.0824	
.808	-.1591	
.850		-.4373
.857	-.1276	
.905	-.0787	
.950		-.3804
.953	-.0482	

MACH (4) = 1.504 ALPHA (5) = .218 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4968	.7732
.020		.5513
.030	.2420	
.048	.2131	
.050		.3755
.085	.0410	
.150		-.0432
.177	-.1050	
.250		-.1812
.274	-.2148	
.402	-.2756	
.565	-.2935	
.650		-.3767
.750		-.4636
.760	-.1479	
.808	-.2140	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (4) = 1.504 ALPHA (5) = .218

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4681
.837	-.1914
.905	-.1372
.950	-.4186
.953	-.0942

MACH (4) = 1.504 ALPHA (6) = 2.468 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5157	.8040
.020		.4504
.030	.2039	
.048	.1743	
.050		.2951
.085	-.0016	
.150		-.1089
.177	-.1687	
.250		-.2350
.274	-.2669	
.402	-.3106	
.565	-.3332	
.650		-.4133
.750		-.4849
.760	-.2151	
.808	-.2741	
.850		-.4873
.857	-.2498	
.905	-.1973	
.950		-.5313
.953	-.1481	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU53)

MACH (4) = 1.504 ALPHA (7) = 4.702 RUN = 102,000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z Y/B .4360 .7710

X/C

.000	.5480	.8395
.020		.3154
.030	.1606	
.048	.1300	
.050		.2478
.085	-.0415	
.150		-.1540
.177	-.2094	
.250		-.2755
.274	-.3013	
.402	-.3562	
.565	-.3609	
.650		-.4440
.750		-.5007
.760	-.2763	
.808	-.3462	
.850		-.3654
.857	-.2941	
.905	-.2476	
.950		-.3653
.953	-.1760	

MACH (4) = 1.504 ALPHA (8) = 6.945 RUN = 102,000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z Y/B .4360 .7710

X/C

.000	.5774	.8797
.020		.1908
.030	.1427	
.048	.1085	
.050		.1256
.085	-.0629	
.150		-.1917
.177	-.2423	
.250		-.3123
.274	-.3436	
.402	-.3881	
.565	-.3824	
.650		-.4653
.750		-.5162
.760	-.3166	
.808	-.4067	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7053)

MACH (4) = 1.504 ALPHA (6) = 6.945

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.4157
.057 -.3517
.065 -.2944
.050 -.3759
.053 -.2167

MACH (4) = 1.504 ALPHA (9) = 9.193 RUN = 102.000 RN/L = 7.722 BETA = 6.710

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .6306 .8749
.020 .0635
.030 .1420
.048 .1051
.050 -.0706
.085 -.0676
.150 -.2801
.177 -.2561
.250 -.3595
.274 -.3674
.402 -.4090
.565 -.3996
.650 -.4907
.750 -.5262
.760 -.3477
.808 -.4306
.850 -.4345
.857 -.4026
.905 -.3548
.950 -.4138
.953 -.2239

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WING UPPER SURFACE

(RF7054) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690,0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = ,0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = ,0150

BETA = 4,000 ELV-1 = 8,000
 ELV-2 = 8,000 ELV-3 = 8,000
 ELV-4 = 8,000 BDFLAP = ,000
 ELV-1B = 5,000 ELV-CB = 8,000

MACH (1) = ,903 ALPHA (1) = -8,340 RUN = 151,000 RN/L = 5,978 BETA = 4,231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B ,4360 ,7710

X/C

,000 ,1924 ,0753
 ,020 ,4976
 ,030 ,4228
 ,048 ,3869
 ,050 ,3243
 ,085 ,2822
 ,150 -.0308
 ,177 ,0025
 ,250 -.1989
 ,274 -.0943
 ,402 -.1517
 ,565 -.1041
 ,650 -.1327
 ,750 -.7397
 ,760 -.2467
 ,808 -.7644
 ,850 -.6438
 ,857 -.6140
 ,905 -.2252
 ,950 -.1017
 ,953 -.0766

MACH (1) = ,898 ALPHA (2) = -6,179 RUN = 151,000 RN/L = 5,978 BETA = 4,231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B ,4360 ,7710

X/C

,000 ,2933 ,2059
 ,020 ,4538
 ,030 ,3699
 ,048 ,3201
 ,050 ,2370
 ,085 ,1934
 ,150 -.1399
 ,177 -.1045
 ,250 -.3100

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U54)

MACH (1) = .896 ALPHA (2) = -6.179

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1905
.402	-.2239
.565	-.1544
.650	-.2133
.750	-.7399
.760	-.2795
.808	-.7891
.850	-.3127
.857	-.5099
.905	-.1424
.950	-.0410
.953	-.0438

MACH (1) = .897 ALPHA (3) = -4.056 RUN = 151,000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3790	.3384
.020		.3860
.030	.3070	
.048	.2470	
.050		.1312
.085	.0985	
.150		-.3041
.177	-.2164	
.250		-.4713
.274	-.2834	
.402	-.2968	
.565	-.1936	
.650		-.3166
.750		-.7624
.760	-.3137	
.808	-.8071	
.850		-.2095
.857	-.3692	
.905	-.1207	
.950		-.0263
.953	-.0345	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U34)

MACH (1) = .898 ALPHA (4) = -1.913 RUN = 151.000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4316	.4575
.020		.2685
.030	.2267	
.048	.1616	
.050		.0069
.085	-.0075	
.150		-.4881
.177	-.3087	
.250		-.5980
.274	-.4476	
.402	-.3922	
.565	-.2318	
.650		-.3807
.750		-.7955
.760	-.3722	
.808	-.8225	
.850		-.1905
.857	-.2723	
.905	-.1139	
.950		-.0185
.953	-.0351	

MACH (1) = .899 ALPHA (5) = .229 RUN = 151.000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4572	.5354
.020		.1183
.030	.1392	
.048	.0734	
.050		-.1182
.085	-.1179	
.150		-.7299
.177	-.3674	
.250		-.8166
.274	-.5903	
.402	-.4158	
.565	-.2435	
.650		-.4053
.750		-.7824
.760	-.3916	
.808	-.8594	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (1) = .899 ALPHA (5) = .229

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1631
.857 -.2506
.905 -.1188
.950 -.0372
.953 -.0412

MACH (1) = .900 ALPHA (6) = 2.381 RUN = 151.000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4532 .5634
.020 -.0688
.030 .0382
.048 -.0225
.050 -.2448
.085 -.2564
.150 -.9181
.177 -.4459
.250 -.9793
.274 -.6850
.402 -.6985
.565 -.2902
.650 -.6155
.750 -.4719
.760 -.4027
.808 -.8333
.850 -.2699
.857 -.2455
.905 -.1273
.950 -.1535
.953 -.0475

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U34)

MACH (1) = .898 ALPHA (7) = 4.513 RUN = 151,000 RN/L = 5,978 BETA = 4,231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4257	.5431
.020		-.3201
.030	-.0724	
.048	-.1102	
.050		-.3951
.085	-.4331	
.150		-1.0187
.177	-.5195	
.250		-1.1115
.274	-.7630	
.402	-.7959	
.565	-.3708	
.650		-.6736
.750		-.5538
.760	-.3768	
.808	-.7043	
.850		-.4584
.857	-.2454	
.905	-.1131	
.950		-.3834
.953	-.0394	

MACH (1) = .899 ALPHA (8) = 6.653 RUN = 151,000 RN/L = 5,978 BETA = 4,231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3955	.5048
.020		-.6313
.030	-.1644	
.048	-.1947	
.050		-.5913
.085	-.5030	
.150		-1.0652
.177	-.5421	
.250		-1.0578
.274	-.8122	
.402	-.8478	
.565	-.4421	
.650		-.6577
.750		-.6124
.760	-.3234	
.808	-.7659	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U54)

MACH (1) = .899 ALPHA (0) = 0.653

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.5587
.837		-.3484
.905		-.1355
.950		-.5289
.953		-.0682

MACH (1) = .899 ALPHA (9) = 8.785 RUN = 151.000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3655	.4525
.020		-.7963
.030		-.2617
.048		-.2694
.050		-.9347
.085		-.5745
.150		-1.1549
.177		-.6856
.250		-1.1573
.274		-.8422
.402		-.9040
.565		-.5241
.650		-.7090
.750		-.7303
.760		-.3004
.808		-.7455
.850		-.7014
.857		-.3561
.905		-.1444
.950		-.6576
.953		-.0898

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (2) = 1.084 ALPHA (1) = -8.687 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2762 .2735

.020 .3849

.030 .4692

.048 .4369

.050 .4230

.085 .3491

.150 .1288

.177 .0584

.250 -.0460

.274 -.1422

.402 -.0309

.565 .0942

.650 -.1033

.750 -.4558

.760 -.0466

.808 -.4504

.850 -.4458

.857 -.3774

.905 -.2737

.950 -.2616

.953 -.1809

MACH (2) = 1.098 ALPHA (2) = -6.484 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3748 .3707

.020 .5296

.030 .4174

.048 .3724

.050 .3247

.085 .2698

.150 -.0198

.177 .0179

.250 -.1960

.274 -.2017

.402 -.1812

.565 .1014

.650 -.1129

.750 -.4391

.760 -.0364

.808 -.4345

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (2) = 1.098 ALPHA (2) = -6.484

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4176
.857 -.4072
.905 -.2605
.950 -.2380
.953 -.1738

MACH (2) = 1.113 ALPHA (3) = -4.297 RUN = 158.000 RN/L = 0.578 BETA = 4.300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4326 .4673
.020 .4896
.030 .3509
.048 .2977
.050 .2634
.085 .1442
.150 -.1236
.177 -.0311
.250 -.3173
.274 -.2521
.402 -.3180
.365 .0555
.650 -.1948
.750 -.4103
.760 -.0345
.808 -.4194
.850 -.3255
.857 -.3982
.905 -.3376
.950 -.1347
.953 -.2196

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU54)

MACH (2) = 1.121 ALPHA (4) = -2.091 RUN = 158,000 RN/L = 6.578 BETA = 4,300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4660	.5473
.020		.4199
.030	.2788	
.048	.2268	
.050		.2022
.085	.0041	
.150		-.2416
.177	-.1109	
.250		-.3986
.274	-.3051	
.402	-.3729	
.565	-.0822	
.650		-.4113
.750		-.5098
.760	-.0397	
.808	-.4078	
.850		-.3018
.857	-.3916	
.905	-.3442	
.950		-.2211
.953	-.2818	

MACH (2) = 1.121 ALPHA (5) = .085 RUN = 158,000 RN/L = 6.578 BETA = 4,300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4803	.6316
.020		.3327
.030	.1911	
.048	.1487	
.050		.1442
.085	-.0799	
.150		-.3908
.177	-.1659	
.250		-.4967
.274	-.3701	
.402	-.4191	
.565	-.1630	
.650		-.0689
.750		-.6264
.760	-.0480	
.808	-.4000	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (2) = 1.121 ALPHA (5) = .085

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3460
.857 -.3859
.905 -.3473
.950 -.2800
.953 -.3001

MACH (2) = 1.112 ALPHA (6) = 2.288 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4778 .6881
.020 .1752
.030 .0955
.048 .0655
.050 .0340
.085 -.1652
.150 -.5054
.177 -.2890
.250 -.6066
.274 -.4312
.402 -.4621
.565 -.2134
.650 -.7208
.750 -.7222
.760 -.0798
.808 -.4066
.850 -.4504
.857 -.4032
.905 -.3693
.950 -.3281
.953 -.3274

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (2) = 1.101 ALPHA (7) = 4.473 RUN = .158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4429	.6605
.020		-.1480
.030	-.0352	
.048	-.0183	
.050		-.1290
.085	-.2837	
.150		-.5897
.177	-.3907	
.250		-.6885
.274	-.4770	
.402	-.4993	
.565	-.3172	
.650		-.8093
.750		-.8226
.760	-.1497	
.808	-.4248	
.850		-.6312
.857	-.4261	
.905	-.3986	
.950		-.4350
.953	-.3571	

MACH (2) = 1.091 ALPHA (8) = 6.672 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3948	.6440
.020		-.3180
.030	-.1523	
.048	-.1191	
.050		-.4244
.085	-.3482	
.150		-.6728
.177	-.4183	
.250		-.7671
.274	-.5244	
.402	-.5533	
.565	-.5059	
.650		-.8920
.750		-.8757
.760	-.2181	
.808	-.4505	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U54)

MACH (2) = 1.091 ALPHA (8) = 6.872

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 -.6581
.657 -.4568
.905 -.4322
.950 -.5905
.953 -.3915

MACH (2) = 1.083 ALPHA (9) = 6.858 RUN = 150.000 RN/L = 6.578 BETA = 4.300

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3343 .6151
.020 -.4342
.030 -.2360
.048 -.2141
.050 -.5736
.065 -.4335
.150 -.8000
.177 -.4786
.250 -.8500
.274 -.5685
.402 -.5962
.565 -.6413
.650 -.9597
.750 -.8874
.760 -.3096
.808 -.5104
.850 -.8217
.857 -.5150
.905 -.4930
.950 -.7087
.953 -.4532

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (3) = 1.199 ALPHA (1) = -8.657 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2065 .2923

.020 .5878

.030 .4294

.048 .4031

.050 .4343

.085 .3449

.150 .1317

.177 .1370

.250 -.0552

.274 -.0750

.402 -.1502

.565 .1536

.650 .0353

.750 -.2857

.760 .0686

.808 -.2935

.850 -.2884

.857 -.2842

.905 -.2247

.950 -.1350

.953 -.0601

MACH (3) = 1.210 ALPHA (2) = -8.403 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2696 .4035

.020 .5712

.030 .3823

.048 .3481

.050 .3887

.085 .2475

.150 .0616

.177 .0745

.250 -.1365

.274 -.1260

.402 -.2073

.565 .0283

.650 -.3263

.750 -.3682

.760 .0604

.808 -.2885

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8 . WING UPPER SURFACE

(RFTU54)

MACH (3) = 1.210 ALPHA (2) = -6.403

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 .2574
.057 -.2011
.905 -.2387
.950 -.1443
.953 -.1790

MACH (3) = 1.217 ALPHA (3) = -4.211 RUN = 125.000 RN/L = 7.100 BETA = 4.336

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3449 .4982
.020 .5354
.030 .3367
.048 .2949
.050 .3323
.085 .1294
.150 -.0285
.177 .0266
.250 -.2092
.274 -.1549
.402 -.2389
.585 -.1809
.650 -.4519
.750 -.5758
.760 .0492
.808 -.2848
.850 -.3020
.857 -.2798
.905 -.2394
.950 -.1870
.953 -.2010

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (3) = 1.220 ALPHA (4) = -1.989 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4010 .5764

.020 .4788

.030 .2766

.040 .2363

.050 .2733

.065 .0535

.100 -.1446

.177 -.0503

.250 -.2967

.274 -.2363

.402 -.2967

.565 -.3684

.650 -.5205

.750 -.6466

.760 .0057

.800 -.2795

.850 -.3736

.857 -.2760

.905 -.2409

.950 -.3003

.953 -.2104

MACH (3) = 1.219 ALPHA (5) = .222 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4189 .6309

.020 .3938

.030 .2081

.040 .1756

.050 .2161

.065 -.0177

.100 -.2660

.177 -.1382

.250 -.3978

.274 -.3085

.402 -.3627

.565 -.4278

.650 -.5844

.750 -.6917

.760 -.0640

.800 -.2811

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (3) = 1.219 ALPHA (3) = .222

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.050 .4253

.057 -.2812

.065 -.2545

.050 -.3617

.053 -.2260

MACH (3) = 1.212 ALPHA (6) = 2.443 RUN = 125.000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000 .4731 .6732

.020 .2759

.030 .1403

.048 .1226

.050 .1327

.085 -.0959

.150 -.3683

.177 -.2414

.250 -.4726

.274 -.3785

.402 -.4207

.565 -.4743

.650 -.6486

.750 -.7376

.760 -.1428

.808 -.2936

.850 -.4838

.857 -.2924

.905 -.2697

.950 -.4251

.953 -.2413

IA70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U54)

MACH (3) = 1.204 ALPHA (7) = 4.645 RUN = 125.000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4618	.7003
.020		-.0172
.030	.0194	
.048	.0248	
.050		-.0087
.085	-.1021	
.150		-.4500
.177	-.3444	
.250		-.5375
.274	-.4494	
.402	-.4753	
.503	-.5127	
.650		-.7136
.750		-.7465
.760	-.2249	
.808	-.3294	
.850		-.5715
.857	-.3139	
.903	-.2918	
.950		-.5052
.953	-.2614	

MACH (3) = 1.194 ALPHA (8) = 6.842 RUN = 125.000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3955	.6946
.020		-.1757
.030	-.0999	
.048	-.1090	
.050		-.2834
.085	-.2791	
.150		-.5400
.177	-.4232	
.250		-.6347
.274	-.5016	
.402	-.5221	
.503	-.5428	
.650		-.7728
.750		-.7655
.760	-.2893	
.808	-.3756	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU54)

MACH (3) = 1.194 ALPHA (0) = 6.842

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.6117

.857 -.3511

.905 -.3286

.950 -.5417

.953 -.2949

MACH (3) = 1.183 ALPHA (9) = 9.042 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C —

.000 .3782 .6715

.020 -.2991

.030 -.1866

.040 -.1851

.050 -.4371

.085 -.3877

.150 -.6651

.177 -.5453

.250 -.7119

.274 -.5586

.402 -.5663

.565 -.5753

.650 -.8250

.750 -.7187

.760 -.3413

.808 -.4293

.850 -.6705

.857 -.4039

.905 -.3764

.950 -.6184

.953 -.3392

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (4) = 1.504 ALPHA (1) = -8.749 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2477	.4491
.020		.6620
.030	.3964	
.048	.3757	
.050		.5121
.085	.2655	
.150		.2114
.177	.1902	
.250		.0483
.274	.0072	
.402	-.0725	
.565	-.1369	
.650		-.1843
.750		-.3305
.760	.1842	
.808	-.0589	
.850		-.3352
.857	-.0612	
.905	-.0398	
.950		-.1807
.953	-.0089	

MACH (4) = 1.504 ALPHA (2) = -6.486 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3097	.5149
.020		.6427
.030	.3523	
.048	.3262	
.050		.4771
.085	.1925	
.150		.1397
.177	.1174	
.250		-.0113
.274	-.0475	
.402	-.1178	
.565	-.1860	
.650		-.2467
.750		-.3651
.760	.0805	
.808	-.0883	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (4) = 1.504 ALPHA (2) = -6.486

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3727
.857 -.0823
.903 -.0583
.950 -.2936
.953 -.0379

MACH (4) = 1.504 ALPHA (3) = -4.275 RUN = 124.000 RNVL = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3469 .5572
.020 .6094
.030 .3115
.048 .2872
.050 .4337
.085 .1437
.150 .0734
.177 .0410
.250 -.0724
.274 -.1048
.402 -.1701
.565 -.2371
.650 -.2911
.750 -.4066
.760 -.0131
.808 -.1258
.850 -.4116
.857 -.1062
.905 -.0828
.950 -.3431
.953 -.0594

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (4) = 1.504 ALPHA (4) = -2.037 RUN = 124.000 RM/L = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3790 .6040

.020 .5723

.030 .2311

.048 .2267

.050 .3903

.065 .0809

.150 .0084

.177 -.0266

.250 -.1369

.274 -.1546

.402 -.2169

.565 -.2762

.650 -.3328

.750 -.4328

.760 -.0939

.808 -.1754

.850 -.4413

.857 -.1456

.905 -.1135

.950 -.3904

.953 -.0868

MACH (4) = 1.504 ALPHA (5) = .212 RUN = 124.000 RM/L = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4014 .6741

.020 .4976

.030 .1907

.048 .1704

.050 .3347

.065 .0169

.150 -.0639

.177 -.0947

.250 -.1967

.274 -.2001

.402 -.2622

.565 -.3067

.650 -.3789

.750 -.4644

.760 -.1549

.808 -.2222

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (4) = 1.504 ALPHA (5) = .212

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.850	-.4705
.857	-.1934
.905	-.1533
.950	-.4226
.953	-.1180

MACH (4) = 1.504 ALPHA (6) = 2.439 RUN = 124.000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4227	.7095
.020		.3855
.030	.1396	
.048	.1215	
.050		.2481
.065	-.0341	
.150		-.1328
.177	-.1619	
.250		-.2561
.274	-.2507	
.402	-.3007	
.565	-.3319	
.650		-.4166
.750		-.4913
.760	-.2122	
.808	-.2751	
.850		-.4961
.857	-.2478	
.905	-.2042	
.950		-.4553
.953	-.1599	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U54)

MACH (4) = 1.504 ALPHA (7) = 4.682 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4539 .7406

.020 .2009

.030 .0842

.048 .0609

.050 .1746

.085 -.0892

.150 -.1957

.177 -.2318

.250 -.3072

.274 -.3021

.402 -.3379

.565 -.3572

.650 -.4539

.750 -.5139

.760 -.2697

.808 -.3345

.850 -.5145

.857 -.2936

.905 -.2539

.950 -.3757

.953 -.2042

MACH (4) = 1.504 ALPHA (8) = 6.918 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4492 .7679

.020 .1057

.030 .0355

.048 .0168

.050 .0244

.085 -.1318

.150 -.2461

.177 -.2869

.250 -.3526

.274 -.3741

.402 -.4008

.565 -.3853

.650 -.4887

.750 -.5363

.760 -.3201

.808 -.3974

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7054)

MACH (4) = 1.504 ALPHA (8) = 6.918

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.4407
.857		-.3348
.903		-.2984
.950		-.4163
.953		-.2353

MACH (4) = 1.504 ALPHA (9) = 9.139 RUN = 124.000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4896	.7832
.020		.0254
.030	.0237	
.048	.0062	
.050		-.0998
.085	-.1472	
.150		-.3058
.177	-.3055	
.250		-.3870
.274	-.4012	
.402	-.4383	
.563	-.4296	
.650		-.5068
.750		-.5448
.760	-.3677	
.808	-.4396	
.850		-.4440
.857	-.3914	
.903	-.3581	
.950		-.4382
.953	-.2828	

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WING UPPER SURFACE

(RF7U55) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 BDFLAP = .000
 ELV-1B = 8.000 ELV-CB = 8.000

MACH (1) = .900 ALPHA (1) = -8.317 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1226 -.0766
 .020 .4294
 .030 .4002
 .048 .3761
 .050 .2957
 .085 .2935
 .150 -.0199
 .177 .0343
 .250 -.1963
 .274 -.0696
 .402 -.1574
 .565 -.1654
 .650 -.2426
 .750 -.7720
 .760 -.2965
 .808 -.8011
 .850 -.6138
 .857 -.6771
 .905 -.2764
 .950 -.1344
 .953 -.1232

MACH (1) = .897 ALPHA (2) = -6.165 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2331 .0740
 .020 .4026
 .030 .3526
 .048 .3152
 .050 .2179
 .085 .2124
 .150 -.1379
 .177 -.0609
 .250 -.2758

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (1) = .897 ALPHA (2) = -6.165

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1524
.402	-.2198
.565	-.2106
.650	-.3607
.750	-.7943
.760	-.3310
.808	-.8240
.850	-.3336
.857	-.6738
.905	-.2259
.950	-.1052
.953	-.1079

MACH (1) = .897 ALPHA (3) = -4.015 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3113	.2049
.020		.3566
.030	.3056	
.048	.2577	
.050		.1362
.085	.1359	
.150		-.2501
.177	-.1525	
.250		-.4068
.274	-.2310	
.402	-.2672	
.565	-.2413	
.650		-.4269
.750		-.8353
.760	-.3665	
.808	-.8379	
.850		-.2701
.857	-.5031	
.905	-.2011	
.950		-.1426
.953	-.1070	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (1) = .898 ALPHA (4) = -1.883 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3723	.3418
.020		.2706
.030	.2427	
.048	.1869	
.050		.0223
.065	.0464	
.150		-.3922
.177	-.2555	
.250		-.5464
.274	-.3913	
.402	-.3663	
.565	-.2776	
.650		-.4496
.750		-.8387
.760	-.4241	
.808	-.8856	
.850		-.2745
.857	-.3599	
.905	-.2114	
.950		-.1614
.953	-.1248	

MACH (1) = .898 ALPHA (5) = .275 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4049	.4433
.020		.1228
.030	.1555	
.048	.0963	
.050		-.1076
.065	-.0625	
.150		-.6116
.177	-.3367	
.250		-.6352
.274	-.4929	
.402	-.4082	
.565	-.2999	
.650		-.5105
.750		-.8431
.760	-.4438	
.808	-.9016	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (1) = .898 ALPHA (5) = .275

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.2913

.857 -.3396

.905 -.2347

.950 -.1524

.953 -.1529

MACH (1) = .898 ALPHA (6) = 2.419 RUN = 152,000 RN/L = 6,000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4034 .4848

.020 -.0512

.030 .0577

.048 .0009

.050 -.2311

.085 -.1790

.150 -.8564

.177 -.4098

.250 -.9022

.274 -.6205

.402 -.4311

.565 -.3470

.650 -.5385

.750 -.7387

.760 -.4589

.808 -.9061

.850 -.3137

.857 -.3416

.905 -.2430

.950 -.1586

.953 -.1735

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (1) = .900 ALPHA (7) = 4.571 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3787 .4764

.020 -.2632

.030 -.0390

.048 -.0862

.050 -.3701

.065 -.3493

.150 -.9910

.177 -.4721

.250 -1.0516

.274 -.6991

.402 -.7063

.565 -.3742

.650 -.6298

.750 -.5839

.760 -.4723

.808 -.8312

.850 -.4679

.857 -.3336

.905 -.2883

.950 -.3594

.953 -.2175

MACH (1) = .899 ALPHA (8) = 6.695 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3458 .4350

.020 -.5505

.030 -.1297

.048 -.1639

.050 -.5181

.065 -.4573

.150 -1.0717

.177 -.5243

.250 -1.1569

.274 -.7628

.402 -.7915

.565 -.4171

.650 -.6679

.750 -.6300

.760 -.4466

.808 -.8365

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (1) = .899 ALPHA (8) = 6.695

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.850 -.5581
.857 -.3761
.905 -.2672
.950 -.4985
.953 -.1850

MACH (1) = .900 ALPHA (9) = 8.830 RUN = 152.000 R/V/L = 6.000 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000 .2956 .3687
.020 -.7989
.030 -.2294
.048 -.2444
.050 -.8515
.085 -.9314
.150 -1.0983
.177 -.5602
.250 -1.1353
.274 -.8098
.402 -.8333
.565 -.4846
.650 -.7004
.750 -.7241
.760 -.3954
.808 -.8159
.850 -.6846
.857 -.6028
.905 -.2544
.950 -.6489
.953 -.1361

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (2) = 1.088 ALPHA (1) = -8.579 RUN = 157,000 RN/L = 6.556 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2111	.1185
.020		.5337
.030	.4421	
.048	.4276	
.050		.4194
.085	.3718	
.150		.1631
.177	.1165	
.250		.0349
.274	.0226	
.402	.0113	
.565	.0459	
.650		-.1057
.750		-.4708
.760	-.0841	
.808	-.4731	
.850		-.4714
.857	-.4675	
.905	-.3808	
.950		-.3382
.953	-.2426	

MACH (2) = 1.103 ALPHA (2) = -6.462 RUN = 157,000 RN/L = 6.556 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3125	.2668
.020		.5273
.030	.3865	
.048	.3588	
.050		.3725
.085	.2920	
.150		.1113
.177	.0419	
.250		-.0533
.274	-.1167	
.402	-.0106	
.565	.0448	
.650		-.1144
.750		-.4582
.760	-.0709	
.808	-.4338	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (2) = 1.103 ALPHA (2) = -8.462

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4525
.857 -.4464
.905 -.3732
.950 -.3124
.953 -.2435

MACH (2) = 1.116 ALPHA (3) = -4.310 RUN = 157.000 RM/L = 6.556 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3715 .3580
.020 .4426
.030 .3276
.048 .2871
.050 .2469
.085 .1955
.150 -.0963
.177 -.0017
.250 -.2759
.274 -.2125
.402 -.2121
.565 .0413
.650 -.1145
.750 -.4380
.760 -.0645
.808 -.4397
.850 -.4300
.857 -.4296
.905 -.3743
.950 -.2578
.953 -.2736

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (2) = 1.129 ALPHA (4) = -2.067 RUN = 157,000 RN/L = 6.556 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4076	.4442
.020		.3877
.030	.2609	
.048	.2195	
.050		.1802
.085	.0360	
.150		-.2035
.177	-.0517	
.250		-.3596
.274	-.2485	
.402	-.3242	
.565	-.0129	
.650		-.2268
.750		-.4190
.760	-.0722	
.808	-.4332	
.850		-.3237
.857	-.4240	
.905	-.3843	
.950		-.1566
.953	-.3152	

MACH (2) = 1.134 ALPHA (5) = .069 RUN = 157,000 RN/L = 6.556 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4339	.5159
.020		.3084
.030	.2056	
.048	.1695	
.050		.1254
.085	-.0324	
.150		-.3221
.177	-.1145	
.250		-.4325
.274	-.2981	
.402	-.3571	
.565	-.1118	
.650		-.4089
.750		-.5069
.760	-.0789	
.808	-.4277	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (2) = 1.134 ALPHA (5) = .069

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3328
.857 -.4202
.905 -.3874
.950 -.2279
.953 -.3391

MACH (2) = 1.125 ALPHA (6) = 2.279 RUN = 157.000 RN/L = 6.556 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4165 .5928
.020 .1945
.030 .1113
.048 .0916
.050 .0452
.085 -.1103
.150 -.4708
.177 -.1921
.250 -.5483
.274 -.3538
.402 -.4088
.565 -.1851
.650 -.6192
.750 -.5945
.760 -.1028
.809 -.4313
.850 -.3779
.857 -.4316
.905 -.4037
.950 -.3254
.953 -.3664

1A70 O1 T12 S1 P2 P6 WING UPPER SURFACE (RF7053)

MACH (2) = 1.116 ALPHA (7) = 4.482 RUN = 157,000 RN/L = 6.556 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3723	.6066
.020		-.0288
.030	-.0043	
.048	.0191	
.050		-.0731
.085	-.1950	
.150		-.5618
.177	-.2697	
.250		-.6489
.274	-.4226	
.402	-.4548	
.565	-.2481	
.650		-.7196
.750		-.6894
.760	-.1314	
.808	-.4360	
.850		-.4212
.857	-.4435	
.905	-.4215	
.950		-.3752
.953	-.3837	

MACH (2) = 1.107 ALPHA (8) = 6.753 RUN = 157,000 RN/L = 6.556 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3194	.5950
.020		-.2896
.030	-.1019	
.048	-.0590	
.050		-.3507
.085	-.2664	
.150		-.6210
.177	-.3315	
.250		-.7205
.274	-.4800	
.402	-.5033	
.565	-.3374	
.650		-.8290
.750		-.8398
.780	-.1673	
.808	-.4571	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (2) = 1.107 ALPHA (8) = 8.753

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.800 -.5715
.857 -.4702
.905 -.4538
.950 -.4515
.953 -.4159

MACH (2) = 1.101 ALPHA (9) = 8.878 RUN = 157.000 RN/L = 6.556 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2259 .5749
.020 -.3978
.030 -.1884
.048 -.1483
.050 -.5200
.085 -.3337
.150 -.7258
.177 -.3881
.250 -.7982
.274 -.5203
.402 -.5400
.585 -.4760
.650 -.9011
.750 -.8910
.780 -.2169
.808 -.5033
.850 -.7570
.857 -.5018
.905 -.4908
.950 -.6322
.953 -.4490

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (3) = 1.202 ALPHA (1) = -8.651 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1358	.1801
.020		.5311
.030	.3650	
.048	.3510	
.050		.4049
.085	.3291	
.150		.1494
.177	.1311	
.250		-.0361
.274	-.0530	
.402	-.1079	
.565	.1526	
.650		.0160
.750		-.3146
.760	.0395	
.808	-.3142	
.850		-.3320
.857	-.3161	
.905	-.2621	
.950		-.2019
.953	-.1705	

MACH (3) = 1.213 ALPHA (2) = -8.407 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C.

.000	.2292	.2982
.020		.5108
.030	.3330	
.048	.3085	
.050		.3524
.085	.2486	
.150		.0620
.177	.0979	
.250		-.1114
.274	-.0832	
.402	-.1728	
.565	.1007	
.650		.0135
.750		-.3079
.760	.0311	
.808	-.3130	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (3) = 1.213 ALPHA (2) = -6.407

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 -.3203

.657 -.3121

.905 -.2779

.950 -.1900

.953 -.2087

MACH (3) = 1.220 ALPHA (3) = -4.208 RUN = 126,000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3581 .3784

.020 .4687

.030 .3232

.048 .2837

.050 .2918

.085 .1419

.130 -.0269

.177 .0422

.250 -.2006

.274 -.1411

.402 -.2154

.563 -.0027

.650 -.2209

.750 -.3574

.760 .0177

.808 -.3172

.850 -.2813

.857 -.3194

.905 -.2888

.950 -.1651

.953 -.2421

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (3) = 1.224 ALPHA (4) = -1.997 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3961 .4682

.020 .4209

.030 .2695

.048 .2308

.050 .2363

.085 .0625

.150 -.1302

.177 -.0134

.250 -.2764

.274 -.1823

.402 -.2629

.565 -.1922

.650 -.4711

.750 -.3292

.760 .0031

.808 -.3190

.850 -.2857

.857 -.3241

.905 -.2965

.950 -.2051

.953 -.2602

MACH (3) = 1.225 ALPHA (5) = .222 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4181 .5348

.020 .3488

.030 .2043

.048 .1744

.050 .1702

.085 -.0073

.150 -.2544

.177 -.0802

.250 -.3633

.274 -.2572

.402 -.3090

.565 -.3595

.650 -.5386

.750 -.8481

.760 -.0249

.808 -.3208

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P3

WING UPPER SURFACE

(RF7055)

MACH (3) = 1.225 ALPHA (5) = .222

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.3816
.857	-.3238	
.905	-.3057	
.950		-.2616
.953	-.2748	

MACH (3) = 1.218 ALPHA (6) = 2.441 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4134	.5839
.020		.2278
.030	.1101	
.048	.0973	
.050		.0753
.085	-.0954	
.150		-.3787
.177	-.1698	
.250		-.4680
.274	-.3165	
.402	-.3628	
.565	-.4210	
.650		-.5979
.750		-.6994
.760	-.0727	
.808	-.3207	
.850		-.4156
.857	-.3269	
.905	-.3153	
.950		-.3465
.953	-.2882	

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7055)

MACH (3) = 1.211 ALPHA (7) = 4.650 RUN = 126,000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE -- DEPENDENT VARIABLE CP --

2Y/B .4360 .7710

X/C

.000	.3672	.5929
.020		-.0340
.030	.0016	
.048	.0022	
.050		-.0192
.065	-.1782	
.150		-.4448
.177	-.2689	
.250		-.5442
.274	-.3732	
.402	-.4146	
.565	-.4608	
.650		-.6767
.750		-.7452
.760	-.1446	
.808	-.3333	
.850		-.4528
.857	-.3362	
.905	-.3264	
.950		-.4077
.953	-.2992	

MACH (3) = 1.204 ALPHA (8) = 6.850 RUN = 126,000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3136	.6081
.020		-.1827
.030	-.0949	
.048	-.0929	
.050		-.2608
.065	-.2642	
.150		-.5169
.177	-.3667	
.250		-.8101
.274	-.4206	
.402	-.4542	
.565	-.4984	
.650		-.7380
.750		-.7773
.760	-.2057	
.808	-.3567	

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (3) = 1.204 ALPHA (0) = 6.850

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.5637
.857 -.3516
.905 -.3459
.950 -.5131
.953 -.3188

MACH (3) = 1.193 ALPHA (9) = 9.040 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1818 .6002
.020 -.2960
.030 -.2313
.048 -.2066
.050 -.4228
.085 -.3626
.150 -.6272
.177 -.4523
.250 -.6830
.274 -.4758
.402 -.4840
.565 -.5321
.650 -.7948
.750 -.7955
.760 -.2323
.808 -.3968
.850 -.6525
.857 -.3854
.905 -.3800
.950 -.5894
.953 -.3517

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7055)

MACH (4) = 1.504 ALPHA (1) = -8.737 RUN = 103.000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1271	.2886
.020		.5657
.030	.3246	
.048	.3113	
.050		.4402
.085	.2282	
.150		.1640
.177	.1663	
.250		.0343
.274	.0005	
.402	-.0725	
.565	-.1379	
.650		-.1659
.750		-.3164
.760	.1685	
.808	-.0827	
.850		-.3171
.857	-.0933	
.905	-.0800	
.950		-.0920
.953	-.0592	

MACH (4) = 1.504 ALPHA (2) = -6.457 RUN = 103.000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1671	.3469
.020		.5469
.030	.2779	
.048	.2607	
.050		.3970
.085	.1641	
.150		.1186
.177	.1046	
.250		-.0250
.274	-.0488	
.402	-.1195	
.565	-.1853	
.650		-.2227
.750		-.3506
.760	.1069	
.808	-.1090	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (4) = 1.504 ALPHA (2) = -6.457

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3567
.857 -.1116
.905 -.0992
.950 -.1975
.953 -.0835

MACH (4) = 1.504 ALPHA (3) = -4.235 RUN = 103.000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2171 .4044
.020 .5171
.030 .2302
.040 .2112
.050 .3532
.085 .1014
.150 .0492
.177 .0394
.250 -.0848
.274 -.0994
.402 -.1666
.565 -.2304
.650 -.2750
.750 -.3905
.760 .0290
.808 -.1397
.850 -.3937
.857 -.1398
.905 -.1193
.950 -.2852
.953 -.1052

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (4) = 1.504 ALPHA (4) = -2.010 RUN = 103.000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE -- DEPENDENT VARIABLE-CP--

2Y/B .4360 .7710

X/C

.000 .2821 .5026

.020 .4995

.030 .1982

.048 .1731

.050 .3281

.085 .0442

.150 -.0213

.177 -.0321

.250 -.1520

.274 -.1473

.402 -.2070

.565 -.2703

.650 -.3267

.750 -.4277

.760 -.0404

.808 -.1687

.850 -.4301

.857 -.1556

.905 -.1366

.950 -.3578

.953 -.1177

MACH (4) = 1.504 ALPHA (5) = .224 RUN = 103.000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3288 .5630

.020 .4353

.030 .1566

.048 .1382

.050 .2803

.085 .0017

.150 -.0908

.177 -.0932

.250 -.2115

.274 -.1923

.402 -.2486

.565 -.3006

.650 -.3753

.750 -.4596

.760 -.1150

.808 -.1966

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U55)

MACH (4) = 1.504 ALPHA (5) = .224

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4635
.857 -.1782
.905 -.1540
.950 -.4037
.953 -.1347

MACH (4) = 1.504 ALPHA (6) = 2.442 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3616 .6108
.020 .3261
.030 .1152
.048 .0991
.050 .2120
.085 -.0405
.150 -.1534
.177 -.1506
.250 -.2644
.274 -.2389
.402 -.2850
.565 -.3248
.650 -.4150
.750 -.4885
.760 -.1717
.808 -.2412
.850 -.4918
.857 -.2142
.905 -.1777
.950 -.3372
.953 -.1511

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (4) = 1.504 ALPHA (7) = 4.689 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3264	.6451
.020		.1209
.030	.0481	
.048	.0430	
.050		.1238
.085	-.0938	
.150		-.2189
.177	-.2118	
.250		-.3194
.274	-.2843	
.402	-.3233	
.565	-.3502	
.650		-.4548
.750		-.5145
.760	-.2215	
.808	-.2881	
.850		-.4106
.857	-.2647	
.905	-.2179	
.950		-.3761
.953	-.1800	

MACH (4) = 1.504 ALPHA (8) = 6.929 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3326	.6605
.020		.0212
.030	-.0759	
.048	-.0632	
.050		-.0699
.085	-.1780	
.150		-.2814
.177	-.2689	
.250		-.3740
.274	-.3260	
.402	-.3578	
.565	-.3750	
.650		-.4869
.750		-.5124
.760	-.2697	
.808	-.3330	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7055)

MACH (4) = 1.504 ALPHA (8) = 6.929

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4129
.857	-.3098
.905	-.2649
.950	-.4166
.953	-.2050

MACH (4) = 1.504 ALPHA (9) = 9.162 RUN. = 103.000 RN/L = 7.678 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3272	.6736
.020	-.0494	
.030	-.1249	
.048	-.1072	
.050	-.1730	
.085	-.2257	
.150	-.3619	
.177	-.3497	
.250	-.4191	
.274	-.3975	
.402	-.3906	
.565	-.4049	
.650	-.5179	
.750	-.5146	
.760	-.3104	
.808	-.3676	
.850	-.4419	
.857	-.3501	
.905	-.3018	
.950	-.4521	
.953	-.2466	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U56) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0130

BETA = -4.000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 BDFLAP = .000
 ELV-1B = 8.000 ELV-CB = 8.000

MACH (1) = .900 ALPHA (1) = -8.327 RUN = 153.000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0822 -.2215
 .020 .3658
 .030 .3638
 .048 .3489
 .050 .2697
 .085 .2831
 .150 -.0079
 .177 .0648
 .250 -.1815
 .274 -.0393
 .402 -.1477
 .565 -.2170
 .650 -.3776
 .750 -.8499
 .760 -.3739
 .808 -.8385
 .850 -.5487
 .857 -.7020
 .905 -.3433
 .950 -.1706
 .955 -.1928

MACH (1) = .898 ALPHA (2) = -6.124 RUN = 153.000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1793 -.0596
 .020 .3516
 .030 .3277
 .048 .3007
 .050 .2071
 .085 .2172
 .150 -.1057
 .177 -.0203
 .250 -.2549

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U56)

MACH (1) = .896 ALPHA (2) = -6.124

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1117
.402	-.2032
.565	-.2511
.650	-.4285
.750	-.6700
.760	-.4364
.808	-.5837
.850	-.3300
.857	-.7028
.905	-.2936
.950	-.2130
.953	-.1739

MACH (1) = .896 ALPHA (3) = -4.033 RUN. = 153.000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2411	.0811
.020		.3170
.030	.2814	
.048	.2464	
.050		.1257
.085	.1485	
.150		-.2159
.177	-.1032	
.250		-.3346
.274	-.1823	
.402	-.2543	
.565	-.2784	
.650		-.4746
.750		-.6831
.760	-.4649	
.808	-.9138	
.850		-.3144
.857	-.5613	
.905	-.2623	
.950		-.2304
.953	-.1647	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (1) = .898 ALPHA (4) = -1.891 RUN = 153,000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .2858 .2355

.020 .2478

.030 .2151

.048 .1749

.050 .0227

.085 .0671

.150 -.3371

.177 -.1896

.250 -.4873

.274 -.2525

.402 -.3157

.565 -.3209

.650 -.4981

.780 -.8770

.760 -.4808

.808 -.9239

.850 -.3183

.857 -.4764

.905 -.2933

.950 -.2418

.993 -.2014

MACH (1) = .899 ALPHA (5) = .251 RUN = 153,000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .2567 .3494

.020 .1282

.030 .1269

.048 .0896

.050 -.0995

.085 -.0259

.150 -.4964

.177 -.2769

.250 -.6031

.274 -.3705

.402 -.3699

.565 -.3347

.650 -.5383

.750 -.8802

.780 -.4982

.808 -.9324

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U56)

MACH (1) = .899 ALPHA (3) = .251

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3431
.857 -.4980
.905 -.3072
.950 -.2527
.953 -.2127

MACH (1) = .899 ALPHA (6) = 2.382 RUN = 153,000 RN/L = 5,933 BETA = -4,232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2228 .4056
.020 -.0342
.030 .0237
.048 -.0109
.050 -.2141
.085 -.1333
.150 -.7118
.177 -.3637
.250 -.6713
.274 -.4729
.402 -.4182
.565 -.3804
.650 -.5923
.750 -.8909
.760 -.5145
.808 -.9450
.850 -.3567
.857 -.4936
.905 -.3107
.950 -.2519
.953 -.2136

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U56)

MACH (1) = .899 ALPHA (7) = 4.334 RUN = 153,000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1634	.4126
.020		-.2334
.030	-.0721	
.048	-.0991	
.050		-.3463
.085	-.2352	
.150		-.9501
.177	-.4424	
.250		-.9491
.274	-.5814	
.402	-.4713	
.565	-.4123	
.650		-.6380
.750		-.7682
.760	-.5351	
.808	-.9558	
.850		-.3664
.857	-.4735	
.905	-.3117	
.950		-.2409
.953	-.2125	

MACH (1) = .899 ALPHA (8) = 6.682 RUN = 153,000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1605	.3769
.020		-.4887
.030	-.1558	
.048	-.1759	
.050		-.4905
.085	-.3327	
.150		-1.0570
.177	-.5131	
.250		-1.1150
.274	-.6616	
.402	-.5898	
.565	-.4350	
.650		-.5877
.750		-.6499
.760	-.5494	
.808	-.9617	

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U56)

MACH (1) = .899 ALPHA (0) = 6.882

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5104
.857 -.4685
.905 -.3025
.950 -.3920
.953 -.1980

MACH (1) = .899 ALPHA (9) = 8.831 RUN = 133.000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1051 .2942
.020 -.7792
.030 -.2541
.048 -.2602
.050 -.6889
.085 -.4363
.150 -1.1192
.177 -.5765
.250 -1.2057
.274 -.7216
.402 -.7274
.565 -.4720
.650 -.6123
.750 -.7412
.760 -.5037
.808 -.9053
.850 -.6274
.857 -.5408
.905 -.3047
.950 -.5816
.953 -.1897

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (2) = 1.085 ALPHA (1) = -8.590 RUN = 156.000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1410 -.0626

.020 .4653

.030 .3840

.048 .3675

.050 .4014

.065 .3674

.150 .1903

.177 .1698

.250 .0695

.274 .1040

.402 .0539

.565 .0083

.650 -.1092

.750 -.4900

.760 -.1233

.808 -.5010

.850 -.4989

.857 -.5104

.905 -.4365

.950 -.3841

.953 -.3143

MACH (2) = 1.101 ALPHA (2) = -8.418 RUN = 156.000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2047 .0993

.020 .4683

.030 .3396

.048 .3270

.050 .3563

.065 .2912

.150 .1296

.177 .0668

.250 .0159

.274 .0105

.402 .0058

.565 -.0027

.650 -.1265

.750 -.4788

.760 -.1158

.808 -.4635

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (2) = 1.101 ALPHA (2) = -6.418

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .4840
.857 -.4910
.905 -.4395
.950 -.3690
.953 -.3315

MACH (2) = 1.116 ALPHA (3) = -4.256 RUN = 156.000 RN/L = 6.522 BETA = -4.301

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2563 .2367
.020 .4150
.030 .2878
.048 .2699
.050 .2671
.085 .2251
.130 .0643
.177 .0220
.250 -.0986
.274 -.1549
.402 .0116
.565 -.0285
.650 -.1664
.750 -.4752
.760 -.1174
.808 -.4760
.850 -.4749
.857 -.4734
.905 -.4360
.950 -.3552
.953 -.3586

1A70 O1 T12 S1 P2 P0

WING UPPER SURFACE

(RF7U56)

MACH (2) = 1.126 ALPHA (4) = -2.037 RUN = 156.000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2603 .3516

.020 .3546

.030 .2086

.048 .1828

.050 .1665

.085 .1181

.150 -.1711

.177 -.0326

.250 -.3078

.274 -.2170

.402 -.1294

.565 -.0262

.650 -.1930

.750 -.4752

.760 -.1190

.808 -.4673

.850 -.4649

.857 -.4593

.905 -.4242

.950 -.3089

.955 -.3577

MACH (2) = 1.124 ALPHA (5) = .145 RUN = 156.000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2715 .4210

.020 .2719

.030 .1378

.048 .1134

.050 .0852

.085 .0257

.150 -.3083

.177 -.0959

.250 -.4180

.274 -.2548

.402 -.2911

.565 -.0755

.650 -.2057

.750 -.4598

.760 -.1442

.808 -.4805

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U56)

MACH (2) = 1.124 ALPHA (5) = .145

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 -.4244
.857 -.4637
.905 -.4426
.950 -.2545
.953 -.3839

MACH (2) = 1.114 ALPHA (6) = 2.339 RUN = 156.000 RIV/L = 6.522 BETA = -4.301

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2802 .4794
.020 .1671
.030 .0948
.040 .0724
.050 .0048
.065 -.0448
.150 -.4401
.177 -.1535
.250 -.5121
.274 -.3039
.402 -.3694
.565 -.1338
.650 -.3619
.750 -.5100
.760 -.1711
.808 -.5003
.850 -.3838
.857 -.4800
.905 -.4608
.950 -.2401
.953 -.4046

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (2) = 1.104 ALPHA (.7) = 4.323 RUN = 156,000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2330	.5002
.020		.0081
.030	.0119	
.048	-.0089	
.050		-.0941
.085	-.1381	
.150		-.5705
.177	-.2376	
.250		-.6335
.274	-.3611	
.402	-.4251	
.565	-.1811	
.650		-.4690
.750		-.5758
.760	-.2031	
.808	-.5228	
.850		-.4449
.857	-.4955	
.905	-.4751	
.950		-.3152
.953	-.4179	

MACH (2) = 1.094 ALPHA (8) = 6.705 RUN = 156,000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1281	.5007
.020		-.2495
.030	-.0940	
.048	-.1028	
.050		-.1960
.085	-.2130	
.150		-.6391
.177	-.3040	
.250		-.7235
.274	-.4059	
.402	-.4589	
.565	-.2163	
.650		-.5628
.750		-.6107
.760	-.2482	
.808	-.5515	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U36)

MACH (2) = 1.094 ALPHA (8) = 6.705

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.4962
.857	-.5157	
.903	-.4926	
.950		-.4073
.953	-.4279	

MACH (2) = 1.087 ALPHA (9) = 8.916 RUN = 156.000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0154	.4956
.020		-.4164
.030	-.2200	
.048	-.2052	
.050		-.5060
.085	-.2919	
.150		-.6975
.177	-.3636	
.250		-.7804
.274	-.4414	
.402	-.4676	
.565	-.2560	
.650		-.7638
.750		-.7346
.760	-.3033	
.808	-.5969	
.850		-.5899
.857	-.5451	
.903	-.5228	
.950		-.4711
.953	-.4524	

1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU56)

MACH (3) = 1.195 ALPHA (1) = -8.573 RUN = 128,000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0784 .0459

.020 .4743

.030 .2997

.048 .2963

.050 .4169

.085 .3023

.150 .2461

.177 .1522

.250 .1490

.274 -.0342

.402 .1769

.565 .0804

.650 -.0012

.750 -.3402

.760 -.0042

.808 -.3451

.850 -.3617

.857 -.3602

.905 -.3140

.950 -.2471

.953 -.2301

MACH (3) = 1.209 ALPHA (2) = -8.376 RUN = 128,000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2030 .1540

.020 .4377

.030 .3145

.048 .2960

.050 .3059

.085 .2504

.150 .0635

.177 .1002

.250 -.0867

.274 -.0592

.402 -.1170

.565 .0618

.650 -.0208

.750 -.3390

.760 -.0025

.808 -.3375

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WING UPPER SURFACE

(RF7036)

MACH (3) = 1.209 ALPHA (2) = -6.376

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 -.3573

.857 -.3458

.905 -.3134

.950 -.2426

.953 -.2465

MACH (3) = 1.216 ALPHA (3) = -4.148 RUN = 128.000 RN/L = 7.144 BETA = -4.333

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2474 .2720

.020 .4216

.030 .2636

.048 .2427

.050 .2651

.085 .1692

.150 -.0174

.177 .0491

.250 -.1591

.274 -.1211

.402 -.1958

.565 .0293

.650 -.0378

.750 -.3370

.760 -.0182

.808 -.3393

.850 -.3463

.857 -.3478

.905 -.3229

.950 -.2305

.953 -.2735

1A7D 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (3) = 1.220 ALPHA (4) = -1.925 RUN = 128,000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2917 .3577

.020 .3792

.030 .2252

.048 .1993

.050 .2071

.085 .0961

.150 -.1127

.177 .0018

.250 -.2611

.274 -.1638

.402 -.2361

.565 -.0602

.650 -.1926

.750 -.3559

.760 -.0351

.808 -.3512

.850 -.3212

.857 -.3539

.905 -.3324

.950 -.2110

.953 -.2903

MACH (3) = 1.217 ALPHA (5) = .313 RUN = 128,000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2952 .4338

.020 .3174

.030 .1662

.048 .1437

.050 .1416

.085 .0308

.150 -.2252

.177 -.0578

.250 -.3404

.274 -.2091

.402 -.2807

.565 -.1295

.650 -.4243

.750 -.4517

.760 -.0584

.808 -.3622

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE

(RF7056)

MACH (3) = 1.217 ALPHA (5) = .313

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3288
.857 -.3609
.905 -.3470
.950 -.2028
.953 -.3142

MACH (3) = 1.211 ALPHA (6) = 2.503 RUN = 128.000 RN/L = 7.144 BETA = -4.333

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2834 .4822
.020 .2064
.030 .0943
.048 .0810
.050 .0501
.085 -.0537
.150 -.3641
.177 -.1219
.250 -.4389
.274 -.2623
.402 -.3209
.565 -.2365
.650 -.5323
.750 -.5922
.760 -.0923
.808 -.3792
.850 -.3490
.857 -.3721
.905 -.3582
.950 -.2778
.953 -.3292

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U56)

MACH (3) = 1.203 ALPHA (7) = 4.704 RUN = 128,000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2321	.5223
.020		.0589
.030	.0225	
.040	.0138	
.050		-.0251
.065	-.1282	
.150		-.4567
.177	-.1786	
.250		-.5344
.274	-.3047	
.402	-.3693	
.565	-.3103	
.650		-.6097
.750		-.6545
.760	-.1241	
.808	-.3938	
.850		-.4067
.857	-.3922	
.905	-.3726	
.950		-.3503
.953	-.3425	

MACH (3) = 1.194 ALPHA (6) = 6.897 RUN = 128,000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1264	.5231
.020		-.1876
.030	-.0823	
.040	-.0781	
.050		-.1736
.065	-.1924	
.150		-.4967
.177	-.2425	
.250		-.6014
.274	-.3528	
.402	-.4120	
.565	-.3291	
.650		-.6895
.750		-.7094
.760	-.1631	
.808	-.4106	

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WING UPPER SURFACE

(RF7036)

MACH (3) = 1.194 ALPHA (8) = 6.897

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4641
.857	-.3951
.905	-.3924
.950	-.4173
.953	-.3623

MACH (3) = 1.183 ALPHA (9) = 9.096 RUN = 128.000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0047	.5354
.020		-.2972
.030	-.1967	
.048	-.1730	
.050		-.3991
.085	-.2630	
.150		-.5932
.177	-.3094	
.250		-.6662
.274	-.3953	
.402	-.4476	
.565	-.3243	
.650		-.7474
.750		-.7421
.760	-.2138	
.808	-.4541	
.850		-.5524
.857	-.4224	
.905	-.4175	
.950		-.3419
.953	-.3787	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U36)

MACH (4) = 1.504 ALPHA (1) = -8.817 RUN = 123.000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0727 .1433

.020 .4737

.030 .2676

.040 .2646

.050 .3655

.065 .2232

.150 .1737

.177 .1678

.250 .0559

.274 .0224

.402 -.0474

.565 -.1221

.650 -.1348

.750 -.2825

.760 .1717

.808 -.0917

.850 -.0879

.857 -.1164

.905 -.1097

.950 .0035

.953 -.0901

MACH (4) = 1.504 ALPHA (2) = -6.534 RUN = 123.000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1057 .1965

.020 .4617

.030 .2382

.040 .2291

.050 .3491

.065 .1643

.150 .1202

.177 .1079

.250 -.0083

.274 -.0290

.402 -.0909

.565 -.1690

.650 -.1803

.750 -.3215

.760 .1239

.808 -.1207

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WING UPPER SURFACE

(RF7U56)

MACH (4) = 1.504 ALPHA (2) = -6.534

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2752
.857 -.1267
.905 -.1227
.950 -.0656
.953 -.1058

MACH (4) = 1.504 ALPHA (3) = -4.304 RUN = 123.000 RN/L = 7.467 BETA = -4.357

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1659 .3028
.020 .4640
.030 .2035
.048 .1080
.050 .3228
.085 .1045
.150 .0651
.177 .0558
.250 -.0634
.274 -.0712
.402 -.1302
.565 -.1988
.650 -.2279
.750 -.3510
.760 .0805
.808 -.1405
.850 -.3581
.857 -.1460
.905 -.1366
.950 -.1682
.953 -.1196

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (4) = 1.504 ALPHA (4) = -2.024 RUN = 123.000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2252 .3939
 .020 .4161
 .030 .1706
 .048 .1532
 .050 .2678
 .085 .0585
 .150 -.0176
 .177 .0062
 .250 -.1316
 .274 -.1127
 .402 -.1658
 .565 -.2256
 .650 -.2742
 .750 -.3864
 .760 .0399
 .808 -.1614
 .850 -.3886
 .857 -.1691
 .905 -.1553
 .950 -.2494
 .953 -.1383

MACH (4) = 1.504 ALPHA (5) = .199 RUN = 123.000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2747 .4615
 .020 .3666
 .030 .1399
 .048 .1259
 .050 .2268
 .085 .0125
 .150 -.1070
 .177 -.0447
 .250 -.2143
 .274 -.1493
 .402 -.2033
 .565 -.2539
 .650 -.3422
 .750 -.4248
 .760 -.0062
 .808 -.1822

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WING UPPER SURFACE

(RF7U56)

MACH (4) = 1.504 ALPHA (5) = .199

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4246
.857 -.1843
.903 -.1741
.950 -.2978
.953 -.1582

MACH (4) = 1.504 ALPHA (6) = 2.413 RUN = 123.000 RN/L = 7.467 BETA = -4.357

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2947 .4950
.020 .2491
.030 .0942
.048 .0882
.050 .1601
.085 -.0326
.130 -.1750
.177 -.1049
.250 -.2709
.274 -.1912
.402 -.2332
.565 -.2875
.650 -.3898
.750 -.4642
.760 -.0641
.808 -.1993
.850 -.4669
.857 -.1987
.903 -.1868
.950 -.2905
.953 -.1691

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (4) = 1.504 ALPHA (7) = 4.636 RUN = 123,000 RN/L = 7.467 BETA = -4.337

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2674	.5416
.020		.0702
.030	.0354	
.048	.0360	
.050		.0815
.085	-.0804	
.150		-.2365
.177	-.1621	
.250		-.3301
.274	-.2369	
.402	-.2714	
.565	-.3159	
.650		-.4385
.750		-.4978
.760	-.1301	
.808	-.2229	
.850		-.4141
.857	-.2133	
.905	-.1969	
.950		-.3362
.953	-.1792	

MACH (4) = 1.504 ALPHA (8) = 6.891 RUN = 123,000 RN/L = 7.467 BETA = -4.337

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1526	.5636
.020		-.0099
.030	-.0592	
.048	-.0493	
.050		-.0808
.085	-.1486	
.150		-.2937
.177	-.2117	
.250		-.3800
.274	-.2737	
.402	-.2976	
.565	-.3380	
.650		-.4837
.750		-.5103
.760	-.1758	
.808	-.2543	

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WING UPPER SURFACE

(RF7U56)

MACH (4) = 1.504 ALPHA (8) = 6.891

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4155
.857 -.2374
.905 -.2199
.950 -.3954
.953 -.1998

MACH (4) = 1.504 ALPHA (9) = 9.126 RUN = 123.000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0786 .5759
.020 -.0813
.030 -.1646
.048 -.1176
.050 -.1674
.085 -.2040
.150 -.3577
.177 -.2625
.250 -.4242
.274 -.3077
.402 -.3235
.565 -.3579
.650 -.5135
.750 -.5033
.760 -.2104
.808 -.2871
.850 -.4386
.857 -.2656
.905 -.2433
.950 -.4250
.953 -.2166

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WING UPPER SURFACE

(RF7U37) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2890.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -8.000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 BDFLAP = .000
 ELV-18 = 8.000 ELV-CB = 8.000

MACH (1) = .900 ALPHA (1) = -8.299 RUN = 154.000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0471 -.3405
 .020 .3192
 .030 .3435
 .040 .3349
 .050 .2558
 .060 .2788
 .100 .0100
 .177 .0903
 .250 -.1625
 .274 -.0237
 .402 -.1518
 .565 -.2661
 .650 -.4078
 .750 -.8740
 .760 -.4502
 .800 -.8849
 .830 -.5443
 .857 -.8418
 .905 -.4127
 .950 -.2457
 .953 -.2381

MACH (1) = .898 ALPHA (2) = -6.252 RUN = 154.000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0979 -.1913
 .020 .3138
 .030 .3080
 .040 .2885
 .050 .2037
 .060 .2172
 .100 -.0724
 .177 .0226
 .250 -.2280

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WING UPPER SURFACE

(RF7U57)

MACH (1) = .898 ALPHA (2) = -8.252

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274 -.0772
.402 -.1918
.565 -.2885
.650 -.4552
.750 -.8965
.760 -.4806
.808 -.9137
.850 -.3914
.857 -.8130
.905 -.3575
.950 -.2579
.953 -.2235

MACH (1) = .897 ALPHA (3) = -4.055 RUN = 154,000 RN/L = 5.900 BETA = -8.438

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1105 -.0185
.020 .2903
.030 .2657
.048 .2453
.050 .1323
.085 .1672
.150 -.1758
.177 -.0472
.250 -.2971
.274 -.1346
.402 -.2339
.565 -.3087
.650 -.5050
.750 -.9161
.760 -.5089
.808 -.9406
.850 -.3535
.857 -.7300
.905 -.3321
.950 -.2771
.953 -.2190

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RFT037)

MACH (1) = .898 ALPHA (4) = -1.946 RUN = 154,000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1108 .1254

.020 .2401

.030 .1749

.048 .1632

.050 .0478

.085 .1086

.150 -.2800

.177 -.0923

.250 -.3930

.274 -.1807

.402 -.2693

.565 -.3293

.650 -.5353

.750 -.9204

.760 -.5263

.808 -.9354

.850 -.3479

.857 -.6235

.905 -.3285

.950 -.2848

.953 -.2201

MACH (1) = .898 ALPHA (5) = .268 RUN = 154,000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1008 .2613

.020 .1531

.030 .0788

.048 .0623

.050 -.0813

.085 .0099

.150 -.3839

.177 -.1431

.250 -.3359

.274 -.2206

.402 -.3029

.565 -.3510

.650 -.5580

.750 -.9149

.760 -.5494

.808 -.9898

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WING UPPER SURFACE

(RF7U57)

MACH (1) = .898 ALPHA (5) = .268

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830		-.3450
.837	-.5223	
.905	-.3141	
.950		-.2920
.953	-.2145	

MACH (1) = .898 ALPHA (8) = 2.374 RUN = 154.000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0523	.3441
.020		.0279
.030	-.0112	
.048	-.0259	
.050		-.1703
.085	-.0812	
.150		-.5596
.177	-.2116	
.250		-.6276
.274	-.2708	
.402	-.3376	
.565	-.3694	
.650		-.5968
.750		-.8642
.760	-.5759	
.808	-.9771	
.850		-.3559
.857	-.4490	
.905	-.2987	
.950		-.3087
.953	-.2115	

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U37)

MACH (1) = .898 ALPHA (7) = 4.321 RUN = 154.000 RN/L = 5.900 BETA = -8.438

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0164	.3810
.020		-.1347
.030	-.0964	
.040	-.1064	
.050		-.2733
.065	-.1674	
.150		-.7544
.177	-.2911	
.250		-.7619
.274	-.3359	
.402	-.3863	
.565	-.4017	
.650		-.6311
.750		-.7997
.760	-.5967	
.808	-.9565	
.850		-.3637
.857	-.4286	
.905	-.2982	
.950		-.3068
.953	-.2144	

MACH (1) = .899 ALPHA (8) = 6.683 RUN = 154.000 RN/L = 5.900 BETA = -8.438

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.1013	.3669
.020		-.3777
.030	-.1910	
.040	-.1897	
.050		-.4350
.065	-.2545	
.150		-.9852
.177	-.3735	
.250		-.9288
.274	-.4104	
.402	-.4408	
.565	-.4355	
.650		-.8019
.750		-.8003
.760	-.6172	
.808	-.9343	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (1) = .899 ALPHA (8) = 6.663

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 -.3666
.657 -.4368
.905 -.3075
.950 -.2743
.953 -.2205

MACH (1) = .899 ALPHA (9) = 8.778 RUN = 154,000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.1562 .3413
.020 -.6525
.030 -.2771
.048 -.2604
.050 -.5576
.085 -.3273
.150 -1.0868
.177 -.4441
.250 -1.1358
.274 -.4804
.402 -.4967
.565 -.4695
.650 -.5672
.750 -.7460
.760 -.6345
.808 -.8913
.850 -.5342
.857 -.4345
.905 -.3046
.950 -.4037
.953 -.2212

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (2) = 1.078 ALPHA (1) = -8.668 RUN = 135,000 RN/L = 6.567 BETA = -8.597

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0641	-.2099
.020		.3930
.030	.3515	
.048	.3714	
.050		.3729
.085	.3733	
.150		.2025
.177	.1974	
.250		.0813
.274	.1184	
.402	.0503	
.565	-.0391	
.650		-.1270
.750		-.5087
.760	-.1725	
.808	-.5385	
.850		-.5216
.857	-.5593	
.905	-.5007	
.950		-.4105
.953	-.4200	

MACH (2) = 1.094 ALPHA (2) = -8.494 RUN = 155,000 RN/L = 6.567 BETA = -8.597

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0968	-.0445
.020		.4278
.030	.3147	
.048	.3216	
.050		.8572
.065	.3104	
.150		.1597
.177	.1393	
.250		.0521
.274	.0714	
.402	.0163	
.565	-.0413	
.650		-.1405
.750		-.4946
.760	-.1541	
.808	-.5133	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7057)

MACH (2) = 1.094 ALPHA (2) = -6.494

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.5065
.857 -.5409
.905 -.4873
.930 -.4023
.953 -.3967

MACH (2) = 1.106 ALPHA (3) = -4.316 RUN = 155.000 RN/L = 6.567 BETA = -8.597

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0935 .1211
.020 .4160
.030 .2139
.040 .2205
.050 .3001
.065 .2204
.150 .0968
.177 .0444
.250 -.0160
.274 -.0320
.402 -.0158
.565 -.0514
.650 -.1613
.750 -.4683
.760 -.1433
.800 -.4992
.850 -.4962
.857 -.5172
.905 -.4702
.930 -.3893
.953 -.3841

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WING UPPER SURFACE

(RF7U57)

MACH (2) = 1.114 ALPHA (4) = -2.085 RUN = 155,000 RN/L = 6.567 BETA = -8.597

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1080	.2454
.020		.3343
.030	.1278	
.048	.1267	
.050		.1763
.085	.1111	
.150		.0665
.177	-.0055	
.250		-.1259
.274	-.1521	
.402	-.0354	
.565	-.0596	
.650		-.2013
.750		-.4933
.760	-.1613	
.808	-.5004	
.850		-.4943
.857	-.4964	
.905	-.4520	
.950		-.3701
.953	-.3833	

MACH (2) = 1.112 ALPHA (5) = .142 RUN = 155,000 RN/L = 6.567 BETA = -8.597

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0937	.3514
.020		.2655
.030	.0609	
.048	.0529	
.050		.0689
.085	.0252	
.150		-.2212
.177	-.0790	
.250		-.2944
.274	-.1738	
.402	-.1143	
.565	-.1017	
.650		-.2348
.750		-.5038
.760	-.1911	
.808	-.5139	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (2) = 1.112 ALPHA (5) = .142

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4851
.857 -.4782
.905 -.4417
.950 -.3434
.953 -.3765

MACH (2) = 1.105 ALPHA (6) = 2.326 RUN = 155.000 RM/L = 6.567 BETA = -8.597

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0318 .4252
.020 .1574
.030 -.0082
.048 -.0165
.050 .0042
.085 -.0453
.150 -.3760
.177 -.1469
.250 -.4496
.274 -.2251
.402 -.2016
.565 -.1150
.650 -.2555
.750 -.5202
.765 -.2355
.805 -.5573
.850 -.4873
.857 -.4986
.905 -.4470
.950 -.3305
.953 -.3748

1A7D Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U37)

MACH (2) = 1.094 ALPHA (7) = 4.530 RUN = 155.000 RN/L = 6.567 BETA = -8.597

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0131	.4566
.020		.0121
.030	-.0557	
.048	-.0637	
.050		-.0916
.085	-.0967	
.150		-.5321
.177	-.1997	
.250		-.5600
.274	-.2716	
.402	-.2417	
.565	-.1386	
.650		-.2700
.750		-.5276
.760	-.2682	
.808	-.5901	
.850		-.5114
.857	-.5379	
.905	-.4685	
.950		-.3577
.953	-.3888	

MACH (2) = 1.086 ALPHA (8) = 6.742 RUN = 155.000 RN/L = 6.567 BETA = -8.597

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0614	.4714
.020		-.1932
.030	-.1068	
.048	-.1117	
.050		-.1662
.085	-.1475	
.150		-.6222
.177	-.2427	
.250		-.6748
.274	-.2928	
.402	-.2640	
.565	-.1808	
.650		-.3466
.750		-.5687
.760	-.3094	
.808	-.6215	

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P0

WING UPPER SURFACE

(RF7U57)

MACH (2) = 1.086 ALPHA (8) = 6.742

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5434
.857 -.3710
.903 -.5117
.950 -.3690
.953 -.4217

MACH (2) = 1.078 ALPHA (9) = 8.941 RUN = 155.000 RN/L = 6.567 BETA = -8.397

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0720 .4668
.020 -.3860
.030 -.1391
.048 -.1407
.050 -.3580
.085 -.1802
.150 -.6796
.177 -.2760
.250 -.7757
.274 -.3328
.402 -.3267
.565 -.2311
.650 -.4591
.750 -.6365
.760 -.3517
.808 -.6536
.850 -.5622
.857 -.6000
.903 -.5460
.950 -.3740
.953 -.4465

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (3) = 1.189 ALPHA (1) = -8.733 RUN = 148,000 RN/L = 7.100 BETA = -8.684

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0278	-.1028
.020		.4211
.030	.2541	
.048	.2588	
.050		.4019
.085	.2772	
.150		.2582
.177	.1465	
.250		.1634
.274	-.0141	
.402	.1324	
.565	-.0097	
.650		-.0219
.750		-.3508
.760	-.0511	
.808	-.3879	
.850		-.3610
.857	-.4165	
.905	-.3759	
.950		-.2877
.953	-.3120	

MACH (3) = 1.200 ALPHA (2) = -8.463 RUN = 148,000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1135	.0181
.020		.3867
.030	.2406	
.048	.2302	
.050		.2965
.085	.2244	
.150		.1561
.177	.0952	
.250		.1470
.274	-.0434	
.402	.0342	
.565	-.0200	
.650		-.0745
.750		-.3559
.760	-.0447	
.808	-.3751	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P3

WING UPPER SURFACE

(RF7057)

MACH (3) = 1.200 ALPHA (2) = -6.463

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3629
.857 -.4023
.905 -.3642
.950 -.2771
.953 -.3005

MACH (3) = 1.200 ALPHA (3) = -4.259 RUN = 148.000 RN/L = 7.100 BETA = -8.664

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0871 .1428
.020 .3779
.030 .2170
.048 .2149
.050 .2466
.085 .1792
.150 .0193
.177 .0521
.250 -.1079
.274 -.1035
.402 -.1436
.565 -.0506
.650 -.0946
.750 -.3699
.760 -.0445
.808 -.3731
.850 -.3632
.857 -.3998
.905 -.3600
.950 -.2761
.953 -.3033

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7037)

MACH (3) = 1.213 ALPHA (4) = -2.042 RUN = 148.000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .1064 .2599

.020 .3488

.030 .1393

.048 .1395

.050 .1911

.085 .1223

.150 -.0724

.177 -.0037

.250 -.1930

.274 -.1488

.402 -.1965

.565 -.0746

.650 -.1177

.750 -.3765

.760 -.0657

.808 -.3768

.850 -.3654

.857 -.3795

.905 -.3570

.950 -.2781

.953 -.3088

MACH (3) = 1.209 ALPHA (5) = .208 RUN = 148.000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .0998 .3492

.020 .2967

.030 .0733

.048 .0669

.050 .1281

.085 .0437

.150 -.1657

.177 -.0649

.250 -.2994

.274 -.1803

.402 -.2315

.565 -.0934

.650 -.2008

.750 -.4071

.760 -.1091

.808 -.4049

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1A70 Q1 T12 S1 P2 P0

WING UPPER SURFACE

(RF7057)

MACH (3) = 1.209 ALPHA (5) = .208

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.3843

.057 -.3759

.065 -.3541

.080 -.2804

.093 -.3154

MACH (3) = 1.204 ALPHA (6) = 2.431 RUN = 146.000 RV/L = 7.100 BETA = -0.664

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0528 .4140

.020 .1790

.030 .0098

.048 .0020

.050 .0435

.085 -.0251

.150 -.3244

.177 -.1249

.250 -.3929

.274 -.2185

.402 -.2757

.565 -.0974

.650 -.2726

.750 -.4287

.760 -.1503

.808 -.4337

.850 -.3850

.857 -.4013

.905 -.3714

.950 -.2403

.953 -.3345

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U37)

MACH (3) = 1.197 ALPHA (7) = 4.627 RUN = 140,000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.000	.0164	.4510
.020		.0414
.030	-.0343	
.040	-.0418	
.050		-.0338
.063	-.0736	
.150		-.4422
.177	-.1694	
.250		-.5011
.274	-.2502	
.402	-.3047	
.565	-.1234	
.650		-.3409
.750		-.4712
.760	-.1867	
.808	-.4545	
.850		-.3757
.857	-.4045	
.903	-.3813	
.950		-.2382
.953	-.3443	

MACH (3) = 1.188 ALPHA (8) = 6.882 RUN = 140,000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.000	-.0218	.4716
.020		-.1827
.030	-.0849	
.040	-.0875	
.050		-.1170
.063	-.1248	
.150		-.5044
.177	-.2162	
.250		-.5839
.274	-.2886	
.402	-.3395	
.565	-.1553	
.650		-.4227
.750		-.5436
.760	-.2126	
.808	-.4731	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (3) = 1.188 ALPHA (8) = 6.882

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4402
.857 -.4136
.905 -.3942
.950 -.2858
.953 -.3569

MACH (3) = 1.175 ALPHA (9) = 9.080 RUN = 148,000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0545 .4822
.020 -.3013
.030 -.1299
.048 -.1278
.050 -.3523
.085 -.1703
.150 -.5382
.177 -.2549
.250 -.6522
.274 -.3137
.402 -.3587
.565 -.1792
.650 -.4926
.750 -.5908
.760 -.2570
.808 -.5136
.850 -.5126
.857 -.4539
.905 -.4319
.950 -.3393
.953 -.3913

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (4) = 1.504 ALPHA (1) = -8.804 RUN = 104.000 RN/L = 7.689 BETA = -8.712

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0407	.0136
.020		.3784
.030	.2393	
.048	.2397	
.050		.3204
.085	.2051	
.150		.1589
.177	.1566	
.250		.0532
.274	.0207	
.402	-.0677	
.565	-.0743	
.650		-.0541
.750		-.2312
.760	.1126	
.808	-.0685	
.850		-.1422
.857	-.1245	
.905	-.1314	
.950		-.0502
.953	-.1294	

MACH (4) = 1.504 ALPHA (2) = -6.599 RUN = 104.000 RN/L = 7.689 BETA = -8.712

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0516	.0553
.020		.3640
.030	.2064	
.048	.2002	
.050		.2877
.085	.1398	
.150		.1126
.177	.0998	
.250		.0147
.274	-.0219	
.402	-.1062	
.565	-.1308	
.650		-.1148
.750		-.2606
.760	.0916	
.808	-.1384	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (4) = 1.504 ALPHA (2) = -6.599

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.050 -.2575

.057 -.1295

.065 -.1395

.050 -.0773

.053 -.1416

MACH (4) = 1.504 ALPHA (3) = -4.393 RUN = 104,000 RN/L = 7.689 BETA = -6.712

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000 .0164 .1851

.020 .3840

.030 .1630

.048 .1629

.050 .2702

.085 .0988

.150 .0588

.177 .0578

.250 -.0527

.274 -.0631

.402 -.1304

.565 -.1926

.650 -.1825

.750 -.3031

.760 .0203

.808 -.1594

.850 -.2917

.857 -.1542

.905 -.1486

.950 -.1743

.953 -.1481

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U57)

MACH (4) = 1.504 ALPHA (4) = -2.119 RUN = 104.000 RN/L = 7.689 BETA = -8.712

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4380 .7710

X/C

.000	.0565	.2798
.020		.3623
.030	.0864	
.048	.0908	
.050		.2316
.085	.0748	
.150		-.0149
.177	.0163	
.250		-.1208
.274	-.0955	
.402	-.1526	
.565	-.1957	
.650		-.2464
.750		-.3369
.760	-.0053	
.808	-.1871	
.850		-.3265
.857	-.1861	
.905	-.1773	
.950		-.2192
.953	-.1633	

MACH (4) = 1.504 ALPHA (5) = .140 RUN = 104.000 RN/L = 7.689 BETA = -8.712

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4380 .7710

X/C

.000	.0727	.3637
.020		.3150
.030	.0522	
.048	.0492	
.050		.1864
.085	.0312	
.150		-.0999
.177	-.0309	
.250		-.1887
.274	-.1213	
.402	-.1797	
.565	-.2193	
.650		-.2962
.750		-.3953
.760	-.0249	
.808	-.2097	

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TABULATED PRESSURE DATA - IA70

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IA70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (4) = 1.504 ALPHA (5) = .140

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3719

.957 -.2092

.905 -.2022

.950 -.2486

.953 -.1958

MACH (4) = 1.504 ALPHA (6) = 2.355 RUN = 104,000 RN/L = 7.689 BETA = -5.712

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0168 .4243

.020 .2252

.030 .0158

.048 .0109

.050 .1332

.085 -.0107

.150 -.1841

.177 -.0717

.250 -.2639

.274 -.1457

.402 -.2021

.565 -.2552

.650 -.3454

.750 -.4320

.760 -.0481

.808 -.2161

.850 -.4303

.857 -.2108

.905 -.2051

.950 -.2893

.953 -.1950

1A70 O1 T12 S1 P2 P6

WING UPPER SURFACE

(RF7057)

MACH (4) = 1.504 ALPHA (7) = 4.613 RUN = 104,000 RN/L = 7.689 BETA = -6.712

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0204	.4618
.020		.0674
.030	-.0260	
.048	-.0292	
.050		.0632
.085	-.0547	
.150		-.2387
.177	-.1133	
.250		-.3218
.274	-.1758	
.402	-.2257	
.565	-.2762	
.650		-.4007
.750		-.4608
.760	-.0784	
.808	-.2259	
.850		-.4544
.857	-.2121	
.905	-.2099	
.950		-.2869
.953	-.2026	

MACH (4) = 1.504 ALPHA (8) = 6.829 RUN = 104,000 RN/L = 7.689 BETA = -6.712

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0143	.4717
.020		-.0407
.030	-.0753	
.048	-.0707	
.050		-.0770
.085	-.0998	
.150		-.2979
.177	-.1494	
.250		-.3685
.274	-.2018	
.402	-.2473	
.565	-.2970	
.650		-.4491
.750		-.4944
.760	-.1077	
.808	-.2529	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7057)

MACH (4) = 1.504 ALPHA (8) = 8.829

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3712
.857 -.2295
.905 -.2222
.950 -.3296
.953 -.2139

MACH (4) = 1.504 ALPHA (9) = 9.082 RUN = 104.000 RN/L = 7.889 BETA = -8.712.

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0340 .5020
.020 -.0957
.030 -.1154
.048 -.1024
.050 -.1889
.085 -.1340
.150 -.3525
.177 -.1759
.250 -.4144
.274 -.2272
.402 -.2696
.565 -.3159
.650 -.4874
.750 -.5232
.760 -.1384
.808 -.2798
.850 -.4111
.857 -.2520
.905 -.2389
.950 -.3686
.953 -.2295

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U56) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.6100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 8.000 ELV-1 = 8.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 BDFLAP = .000
 ELV-18 = 12.000 ELV-C8 = 10.000

MACH (1) = .897 ALPHA (1) = -8.269 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2761 .2026
 .020 .5496
 .030 .4390
 .048 .3904
 .050 .3450
 .065 .2623
 .150 -.0559
 .177 -.0366
 .250 -.2215
 .274 -.1208
 .402 -.1453
 .565 -.0501
 .650 -.1559
 .750 -.8682
 .760 -.2126
 .808 -.9200
 .850 -.3344
 .857 -.4542
 .905 -.1953
 .950 -.1676
 .953 -.0904

MACH (1) = .897 ALPHA (2) = -6.111 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3762 .3334
 .020 .4905
 .030 .3739
 .048 .3128
 .050 .2438
 .065 .1624
 .150 -.2039
 .177 -.1509
 .250 -.3643

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (1) = .897 ALPHA (2) = -6.111

SECTION (1) WING UPPER SURFACE . DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.274	-.2220
.402	-.2165
.565	-.0971
.650	-.1489
.750	-.8618
.760	-.2298
.808	-.9229
.850	-.3191
.857	-.3641
.905	-.1808
.950	-.1340
.953	-.0857

MACH (1) = .898 ALPHA (3) = -3.971 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4476	-.4607
.020		.3932
.030	.2961	
.048	.2269	
.050		.1261
.065	.0531	
.100		-.4297
.177	-.2652	
.250		-.5371
.274	-.3973	
.402	-.3062	
.565	-.1276	
.650		-.1739
.750		-.8512
.760	-.2513	
.808	-.9267	
.850		-.2852
.857	-.3125	
.905	-.1685	
.950		-.0918
.953	-.0841	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U58)

MACH (1) = .897 ALPHA (4) = -1.794 RUN = 93,000 RN/L = 6,011 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4910 .5606

.020 .2521

.030 .2027

.048 .1310

.050 -.0148

.063 -.0668

.150 -.6086

.177 -.3367

.250 -.7414

.274 -.5351

.402 -.3833

.563 -.1702

.650 -.2268

.750 -.8500

.760 -.2778

.808 -.9348

.850 -.2438

.857 -.2938

.903 -.1550

.950 -.0562

.953 -.0750

MACH (1) = .898 ALPHA (5) = .363 RUN = 93,000 RN/L = 6,011 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5031 .6161

.020 .0911

.030 .1068

.048 .0368

.050 -.1426

.063 -.1910

.150 -.7917

.177 -.4134

.250 -.9052

.274 -.6541

.402 -.6206

.563 -.2054

.650 -.4171

.750 -.5733

.760 -.3022

.808 -.9223

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WING UPPER SURFACE

(RF7U38)

MACH (1) = .898 ALPHA (5) = .363

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.2231
.837 -.2832
.905 -.1466
.950 -.0433
.953 -.0605

MACH (1) = .900 ALPHA (6) = 2.516 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4964 .6272
.020 -.1030
.030 .0050
.048 -.0555
.050 -.2625
.085 -.3762
.150 -.9269
.177 -.4950
.250 -1.0440
.274 -.7331
.402 -.7623
.565 -.2861
.650 -.7036
.750 -.5897
.760 -.3090
.808 -.8940
.850 -.4555
.837 -.2816
.905 -.1369
.950 -.3608
.953 -.0438

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RFTU56)

MACH (1) = .899 ALPHA (7) = 4.683 RUN = 93,000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING UPPER SURFACE - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4655	.5983
.020		-.3675
.030	-.1081	
.048	-.1523	
.050		-.4134
.085	-.4750	
.150		-1.0117
.177	-.5591	
.250		-1.1450
.274	-.8004	
.402	-.8335	
.565	-.4086	
.650		-.6668
.750		-.6089
.760	-.2600	
.808	-.8635	
.850		-.5506
.857	-.4005	
.905	-.1273	
.950		-.5136
.953	-.0385	

MACH (1) = .899 ALPHA (8) = 6.819 RUN = 93,000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING UPPER SURFACE - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4286	.5455
.020		-.6706
.030	-.2225	
.048	-.2403	
.050		-.7831
.085	-.5536	
.150		-1.0596
.177	-.6934	
.250		-1.1978
.274	-.8356	
.402	-.8696	
.565	-.4667	
.650		-.7004
.750		-.6818
.760	-.2580	
.808	-.8564	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7058)

MACH (1) = .899 ALPHA (8) = 6.819

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.6627
.857 -.4302
.905 -.1392
.950 -.6253
.953 -.0616

MACH (1) = .900 ALPHA (9) = 8.977 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4210 .4985
.020 -.8028
.030 -.3062
.048 -.3040
.050 -.9575
.085 -.6234
.150 -1.2264
.177 -.8081
.250 -1.2146
.274 -.8977
.402 -.9361
.565 -.5087
.650 -.7160
.750 -.7344
.760 -.3024
.808 -.8528
.850 -.7178
.857 -.5148
.905 -.2128
.950 -.7027
.953 -.1385

1A70 O1 T12 S1 P2 P5

WING UPPER SURFACE

(RF7038)

MACH (2) = 1.076 ALPHA (1) = -8.676 RUN = 86.000 RN/L = 6.756 BETA = 8.644

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3425	.3785
.020		.6033
.030	.4964	
.046	.4510	
.050		.4002
.065	.3361	
.150		-.0040
.177	.0353	
.250		-.1849
.274	-.1863	
.402	-.2604	
.565	.1223	
.650		-.0627
.750		-.5247
.760	.0135	
.808	-.5346	
.850		-.5076
.857	-.5069	
.905	-.4239	
.950		-.3610
.953	-.3156	

MACH (2) = 1.094 ALPHA (2) = -8.464 RUN = 86.000 RN/L = 6.756 BETA = 8.644

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4542	.4747
.020		.5792
.030	.4602	
.046	.4037	
.050		.3555
.065	.2702	
.150		-.0570
.177	.0107	
.250		-.2696
.274	-.2248	
.402	-.3048	
.565	.0610	
.650		-.2615
.750		-.5474
.760	-.0046	
.808	-.3292	

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1A7D .01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (2) = 1.094 ALPHA (2) = -6.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4253
.857 -.4910
.905 -.4200
.950 -.2574
.953 -.3231

MACH (2) = 1.105 ALPHA (3) = -4.274 RUN = 88.000 RN/L = 6.756 BETA = 6.644

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5192 .5598
.020 .5317
.030 .3985
.048 .3348
.050 .2967
.085 .1561
.150 -.1194
.177 -.0377
.250 -.3353
.274 -.2751
.402 -.3606
.565 -.0971
.650 -.5941
.750 -.7456
.760 -.0101
.808 -.5076
.850 -.3950
.857 -.5161
.905 -.4649
.950 -.2922
.953 -.3413

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7038)

MACH (2) = 1.112 ALPHA (4) = -2.068 RUN = 86.000 RN/L = 6.756 BETA = 8.644

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5619 .6406

.020 .4679

.030 .3271

.048 .2639

.050 .2452

.085 .0128

.150 -.2219

.177 -.1216

.250 -.4152

.274 -.3211

.402 -.4050

.565 -.2458

.650 -.6531

.750 -.8402

.760 -.0422

.808 -.4812

.850 -.4979

.857 -.4962

.905 -.4576

.950 -.4174

.953 -.4032

MACH (2) = 1.110 ALPHA (5) = .150 RUN = 86.000 RN/L = 6.756 BETA = 8.644

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5786 .7286

.020 .3566

.030 .2395

.048 .1836

.050 .1598

.085 -.0720

.150 -.3836

.177 -.2097

.250 -.5278

.274 -.3970

.402 -.4620

.565 -.4148

.650 -.7173

.750 -.7595

.780 -.1093

.808 -.4704

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU58)

MACH (2) = 1.110 ALPHA (5) = .150

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.6210
.857	-.4948	
.905	-.4648	
.950		-.5699
.953	-.4118	

MACH (2) = 1.105 ALPHA (6) = 2.335 RUN = 86.000 RN/L = 6.756 BETA = 8.644

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5716	.7596
.020		.1821
.030	.1423	
.048	.1019	
.050		.0388
.085	-.1518	
.150		-.4936
.177	-.3178	
.250		-.6268
.274	-.4588	
.402	-.5161	
.565	-.5625	
.650		-.7941
.750		-.7380
.760	-.1931	
.808	-.4735	
.850		-.8747
.857	-.5020	
.905	-.4772	
.950		-.6216
.953	-.4323	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7058)

MACH (2) = 1.096 ALPHA (7) = 4.346 RUN = 86.000 RN/L = 6.756 BETA = 8.644

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5366	.7299
.020		-.1518
.030	.0038	
.048	.0044	
.050		-.1436
.085	-.2506	
.150		-.5780
.177	-.4239	
.250		-.7160
.274	-.5404	
.402	-.5901	
.565	-.6389	
.650		-.8678
.750		-.8779
.760	-.2933	
.808	-.5065	
.850		-.7211
.857	-.5323	
.905	-.4978	
.950		-.6604
.953	-.4556	

MACH (2) = 1.087 ALPHA (8) = 6.736 RUN = 86.000 RN/L = 6.756 BETA = 8.644

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4693	.7032
.020		-.3079
.030	-.1507	
.048	-.1139	
.050		-.4406
.085	-.3581	
.150		-.6950
.177	-.5411	
.250		-.7988
.274	-.6384	
.402	-.6548	
.565	-.7086	
.650		-.9418
.750		-.9063
.760	-.3616	
.808	-.5370	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7050)

MACH (2) = 1.087 ALPHA (8) = 6.736

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 -.8245
.657 -.5769
.905 -.5336
.950 -.7440
.953 -.4860

MACH (2) = 1.076 ALPHA (9) = 6.931 RUN = 66.000 RN/L = 6.756 BETA = 6.644

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4706 .8635
.020 -.4336
.030 -.2357
.048 -.2173
.050 -.5846
.065 -.4509
.150 -.8366
.177 -.6534
.250 -.8898
.274 -.7566
.402 -.7419
.565 -.7632
.650 -.9756
.750 -.8932
.760 -.4117
.800 -.6166
.850 -.8434
.857 -.6531
.905 -.6100
.950 -.7760
.953 -.5526

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U58)

MACH (3) = 1.188 ALPHA (1) = -8.604 RUN = 85,000 RN/L = 7.156 BETA = 8.658

SECTION (1) WING UPPER SURFACE -- DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3011 .4316

.020 .6613

.030 .5176

.048 .4823

.050 .4778

.085 .3942

.150 .1244

.177 .1467

.250 -.0704

.274 -.0761

.402 -.1655

.565 .1013

.650 -.2887

.750 -.4365

.760 .0949

.808 -.3891

.850 -.3573

.857 -.3940

.905 -.3437

.950 -.2241

.953 -.2015

MACH (3) = 1.198 ALPHA (2) = -6.326 RUN = 85,000 RN/L = 7.156 BETA = 8.658

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3753 .5173

.020 .6385

.030 .4382

.048 .3930

.050 .4310

.085 .2619

.150 .0808

.177 .0797

.250 -.1420

.274 -.1184

.402 -.2006

.565 -.1637

.650 -.4237

.750 -.6470

.760 .0701

.806 -.3760

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7058)

MACH (3) = 1.198 ALPHA (2) = -6.328

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4222
.857 -.3889
.905 -.3475
.950 -.2598
.953 -.3028

MACH (3) = 1.206 ALPHA (3) = -4.114 RUN = 85.000 RM/L = 7.156 BETA = 8.656

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4265 .6058
.020 .5905
.030 .3724
.048 .3230
.050 .3782
.085 .1338
.150 .0040
.177 .0112
.250 -.2108
.274 -.1776
.402 -.2539
.565 -.3408
.650 -.4719
.750 -.6730
.760 .0205
.808 -.3633
.850 -.4507
.857 -.3763
.905 -.3439
.950 -.3547
.953 -.3044

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U58)

MACH (3) = 1.210 ALPHA (4) = -1.905 RUN = 85.000 RN/L = 7.156 BETA = 8.658

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4657	.6714
.020		.5221
.030	.3056	
.048	.2634	
.050		.3178
.085	.0671	
.150		-.1188
.177	-.0551	
.250		-.3099
.274	-.2450	
.402	-.3135	
.565	-.4037	
.650		-.5366
.750		-.5193
.760	-.0701	
.808	-.3590	
.850		-.4599
.857	-.3722	
.905	-.3450	
.950		-.4342
.953	-.3089	

MACH (3) = 1.206 ALPHA (5) = .332 RUN = 85.000 RN/L = 7.156 BETA = 8.658

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5066	.7154
.020		.4280
.030	.2569	
.048	.2141	
.050		.2435
.085	-.0085	
.150		-.2534
.177	-.1529	
.250		-.4007
.274	-.3077	
.402	-.3674	
.565	-.4537	
.650		-.5865
.750		-.5665
.760	-.1829	
.808	-.3764	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U50)

MACH (3) = 1.206 ALPHA (5) = .332

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 . - .4923
.857 -.3872
.905 -.3607
.930 -.4844
.953 -.3222

MACH (3) = 1.202 ALPHA (6) = 2.463 RUN = 65.000 RN/L = 7.156 BETA = 8.658

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5556 .7747
.020 .3016
.030 .1615
.048 .1355
.050 .1526
.085 -.1007
.150 -.3480
.177 -.2519
.250 -.4796
.274 -.3793
.402 -.4231
.565 -.4908
.650 -.6568
.750 -.6601
.760 -.2687
.808 -.4114
.850 -.5759
.857 -.4150
.905 -.3636
.950 -.5501
.953 -.3414

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7058)

MACH (3) = 1.186 ALPHA (7) = 4.682 RUN = 85.000 RIN/L = 7.156 BETA = 8.658

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.5321	.7874
.020		-.0011
.030	.0546	
.048	.0565	
.050		.0019
.065	-.1728	
.130		-.4298
.177	-.3612	
.250		-.5625
.274	-.4607	
.402	-.4699	
.565	-.5240	
.650		-.7056
.750		-.6439
.760	-.3437	
.808	-.4648	
.850		-.6174
.857	-.4630	
.905	-.4183	
.950		-.5939
.953	-.3693	

MACH (3) = 1.186 ALPHA (8) = 6.892 RUN = 85.000 RIN/L = 7.156 BETA = 8.658

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.5350	.7696
.020		-.1435
.030	-.0445	
.048	-.0441	
.050		-.2675
.065	-.2662	
.130		-.5222
.177	-.4534	
.250		-.6365
.274	-.5375	
.402	-.5391	
.565	-.5781	
.650		-.7665
.750		-.6823
.760	-.4103	
.808	-.5225	

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1A7D O1 T12 S1 P2 P3

WING UPPER SURFACE

(RFTU56)

MACH (3) = 1.186 ALPHA (8) = 6.892

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.6577
.857 -.5175
.905 -.4734
.950 -.6346
.953 -.4101

MACH (3) = 1.173 ALPHA (9) = 9.100 RUN = 85.000 RN/L = 7.156 BETA = 6.656

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5565 .7393
.020 -.2703
.030 -.1044
.040 -.1023
.050 -.4163
.065 -.3241
.150 -.6570
.177 -.5244
.250 -.7139
.274 -.6206
.402 -.6129
.565 -.6400
.650 -.8188
.750 -.7099
.760 -.4596
.808 -.5872
.850 -.7106
.857 -.5879
.905 -.5270
.950 -.7061
.953 -.3379

1A70 Q1 T12 S1 P2 P6

WING UPPER SURFACE

(RF7058)

MACH (4) = 1.504 ALPHA (1) = -6.733 RUN = 118,000 RN/L = 7.489 BETA = 8.709

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3675	.6096
.020		.7564
.030	.4785	
.048	.4539	
.050		.5854
.085	.3135	
.150		.2525
.177	.2138	
.250		.0740
.274	.0251	
.402	-.0502	
.565	-.1211	
.650		-.1815
.750		-.3727
.760	.1798	
.808	-.1134	
.850		-.3693
.857	-.1089	
.905	-.0888	
.950		-.2784
.953	-.0571	

MACH (4) = 1.504 ALPHA (2) = -6.476 RUN = 118,000 RN/L = 7.489 BETA = 8.709

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4123	.8501
.020		.7164
.030	.4266	
.048	.3985	
.050		.5358
.085	.2408	
.150		.1743
.177	.1356	
.250		.0081
.274	-.0348	
.402	-.1102	
.565	-.1692	
.650		-.2382
.750		-.4117
.760	.0790	
.808	-.1380	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U58)

MACH (4) = 1.504 ALPHA (2) = -6.476

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4048

.857 -.1240

.905 -.1039

.950 -.3628

.953 -.0792

MACH (4) = 1.504 ALPHA (3) = -4.216 RUN = 118.000 RN/L = 7.489 BETA = 8.709

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4724 .6984

.020 .6751

.030 .3644

.048 .3338

.050 .4910

.085 .1674

.150 .0977

.177 .0477

.250 -.0613

.274 -.0938

.402 -.1560

.565 -.2168

.650 -.2870

.750 -.4396

.760 -.0161

.808 -.1764

.850 -.4384

.857 -.1537

.905 -.1315

.950 -.4075

.953 -.1073

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (4) = 1.504 ALPHA (4) = -1.950 RUN = 118,000 RN/L = 7.489 BETA = 8.709

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4912	.7378
.020		.6255
.030	.3028	
.048	.2735	
.050		.4425
.085	.0983	
.150		.0233
.177	-.0423	
.250		-.1238
.274	-.1557	
.402	-.2097	
.565	-.2587	
.650		-.3337
.750		-.4683
.760	-.0929	
.808	-.2273	
.850		-.4666
.857	-.2039	
.905	-.1697	
.950		-.4284
.953	-.1391	

MACH (4) = 1.504 ALPHA (5) = .277 RUN = 118,000 RN/L = 7.489 BETA = 8.709

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5066	.7758
.020		.5552
.030	.2450	
.048	.2182	
.050		.3826
.085	.0448	
.150		-.0397
.177	-.1037	
.250		-.1807
.274	-.2143	
.402	-.2738	
.565	-.2933	
.650		-.3765
.750		-.4907
.760	-.1532	
.808	-.2753	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7056)

MACH (4) = 1.504 ALPHA (5) =

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4915
.857 -.2524
.905 -.2164
.950 -.3532
.953 -.1788

MACH (4) = 1.504 ALPHA (6) = 2.533 RUN = 118,000 RN/L = 7.489 BETA = 8.709

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B. .4360 .7710

X/C

.000 .5278 .8082
.020 .4541
.030 .2095
.048 .1818
.050 .2971
.085 .0034
.150 -.1024
.177 -.1677
.250 -.2349
.274 -.2664
.402 -.3099
.565 -.3322
.650 -.4127
.750 -.4480
.760 -.2160
.808 -.3337
.850 -.3779
.857 -.3031
.905 -.2607
.950 -.3804
.953 -.1934

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7038)

MACH (4) = 1.504 ALPHA (7) = 4.778 RUN = 118,000 RN/L = 7.489 BETA = 8.709

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5583	.8467
.020		.3156
.030	.1620	
.048	.1317	
.050		.2393
.085	-.0405	
.150		-.1479
.177	-.2092	
.250		-.2744
.274	-.3003	
.402	-.3573	
.565	-.3599	
.650		-.4450
.750		-.4088
.760	-.2731	
.808	-.4011	
.850		-.3786
.857	-.3492	
.905	-.2869	
.950		-.3871
.953	-.2214	

MACH (4) = 1.504 ALPHA (8) = 7.012 RUN = 118,000 RN/L = 7.489 BETA = 8.709

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5874	.8779
.020		.1909
.030	.1417	
.048	.1098	
.050		.1253
.085	-.0620	
.150		-.1906
.177	-.2423	
.250		-.3128
.274	-.3414	
.402	-.3890	
.565	-.3834	
.650		-.4648
.750		-.4497
.760	-.3135	
.808	-.4443	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U50)

MACH (4) = 1.504 ALPHA (8) = 7.012

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4057
.837 -.3956
.905 -.3272
.950 -.4082
.953 -.2863

MACH (4) = 1.504 ALPHA (9) = 9.240 RUN = 110,000 RN/L = 7.489 BETA = 8.709

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .6431 .8775
.020 .0663
.030 .1441
.048 .1091
.050 -.0640
.085 -.0669
.150 -.2763
.177 -.2570
.250 -.3573
.274 -.3668
.402 -.4101
.565 -.3999
.650 -.4894
.750 -.4771
.760 -.3435
.808 -.4640
.850 -.4339
.857 -.4443
.905 -.4020
.950 -.4380
.953 -.2743

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7059) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0130

BETA = 4.000 ELV-1 = 6.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 BDFLAP = .000
 ELV-1B = 12.000 ELV-CB = 10.000

MACH (1) = .900 ALPHA (1) = -8.187 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2103 .1050
 .020 .5083
 .030 .4259
 .048 .3859
 .050 .3263
 .085 .2743
 .150 -.0410
 .177 -.0102
 .250 -.2093
 .274 -.1068
 .402 -.1554
 .565 -.0916
 .650 -.1617
 .750 -.8668
 .760 -.2368
 .808 -.9243
 .850 -.3553
 .857 -.7290
 .905 -.2527
 .950 -.2184
 .953 -.1479

MACH (1) = .898 ALPHA (2) = -6.051 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3172 .2391
 .020 .4647
 .030 .3720
 .048 .3186
 .050 .2393
 .085 .1847
 .150 -.1679
 .177 -.1167
 .250 -.3126

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (1) = .898 ALPHA (2) = -6.051

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274 -.2019
.402 -.2232
.565 -.1343
.650 -.1730
.750 -.8600
.760 -.2595
.808 -.9359
.850 -.3257
.857 -.4510
.905 -.2310
.950 -.1883
.953 -.1382

MACH (1) = .898 ALPHA (3) = -3.699 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3951 .3702
.020 .3848
.030 .3021
.048 .2396
.050 .1282
.085 .0838
.150 -.3208
.177 -.2310
.250 -.4875
.274 -.3186
.402 -.3022
.565 -.1758
.650 -.2683
.750 -.8668
.760 -.2934
.808 -.9470
.850 -.2992
.857 -.3554
.905 -.2218
.950 -.1635
.953 -.1410

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (1) = .897 ALPHA (4) = -1.766 RUN = 161,000 RN/L = 5,933 BETA = 4,231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000	.4451	.4845
.020		.2619
.030	.2207	
.040	.1537	
.050		.0023
.065	-.0240	
.150		-.5301
.177	-.3159	
.250		-.6151
.274	-.4785	
.402	-.3971	
.565	-.2168	
.650		-.3744
.750		-.8946
.760	-.3352	
.808	-.9535	
.850		-.3087
.857	-.3345	
.905	-.2330	
.950		-.1662
.953	-.1576	

MACH (1) = .898 ALPHA (5) = .437 RUN = 161,000 RN/L = 5,933 BETA = 4,231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000	.4677	.5586
.020		.1042
.030	.1294	
.040	.0816	
.050		-.1301
.065	-.1402	
.150		-.7669
.177	-.3603	
.250		-.8433
.274	-.6120	
.402	-.4408	
.565	-.2337	
.650		-.3703
.750		-.9218
.760	-.3792	
.808	-.7013	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (1) = .898 ALPHA (5) = .437

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.850 -.2832
.857 -.3334
.905 -.2592
.950 -.1300
.953 -.1890

MACH (1) = .899 ALPHA (8) = 2.535 RUN = 181.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4629 .5790
.020 -.0818
.030 .0293
.048 -.0318
.050 -.2549
.085 -.2998
.150 -.9248
.177 -.4580
.250 -.9963
.274 -.6996
.402 -.7226
.565 -.2842
.650 -.7267
.750 -.5679
.780 -.3982
.808 -.6361
.850 -.4390
.857 -.3367
.905 -.2780
.950 -.2901
.953 -.2039

1A7D O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U59)

MACH (1) = .899 ALPHA (7) = 4.656 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4322	.5553
.020		-.3376
.030	-.0829	
.048	-.1276	
.050		-.3992
.065	-.4452	
.150		-1.0151
.177	-.5253	
.250		-1.1192
.274	-.7737	
.402	-.8062	
.565	-.3894	
.650		-.7279
.750		-.6044
.760	-.3986	
.808	-.9146	
.850		-.5396
.857	-.3399	
.905	-.2580	
.950		-.4811
.953	-.1708	

MACH (1) = .900 ALPHA (8) = 6.790 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4033	.5141
.020		-.6436
.030	-.1796	
.048	-.2061	
.050		-.6455
.065	-.5168	
.150		-1.0529
.177	-.5321	
.250		-1.1308
.274	-.8213	
.402	-.8573	
.565	-.4708	
.650		-.7271
.750		-.6676
.760	-.3376	
.808	-.9245	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (1) = .900 ALPHA (0) = 6.790

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.6573
.857 -.5163
.905 -.2461
.950 -.6114
.953 -.1157

MACH (1) = .899 ALPHA (9) = 8.921 RUN = 161,000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3742 .4658
.020 -.7958
.030 -.2751
.048 -.2784
.050 -.9419
.085 -.5860
.150 -1.1844
.177 -.7202
.250 -1.1478
.274 -.8478
.402 -.9143
.565 -.5126
.650 -.7514
.750 -.7429
.760 -.3134
.808 -.9045
.850 -.7194
.857 -.7839
.905 -.2556
.950 -.6955
.953 -.1393

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7059)

MACH (2) = 1.087 ALPHA (1) = -8.500 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2816	.2813
.020		.5837
.030	.4689	
.048	.4356	
.050		.4253
.085	.3493	
.150		.1106
.177	.0597	
.250		-.0345
.274	-.1373	
.402	-.0204	
.565	.0881	
.650		-.0989
.750		-.5488
.760	-.0344	
.808	-.5636	
.850		-.5392
.857	-.5302	
.905	-.4598	
.950		-.4436
.953	-.3521	

MACH (2) = 1.103 ALPHA (2) = -6.270 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3839	.3772
.020		.5279
.030	.4152	
.048	.3700	
.050		.3244
.085	.2682	
.150		-.0246
.177	.0193	
.250		-.2200
.274	-.1972	
.402	-.2225	
.565	.1043	
.850		-.1018
.750		-.5246
.760	-.0236	
.808	-.5434	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U59)

MACH (2) = 1.103 ALPHA (2) = -6.270

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5130
.857 -.5464
.905 -.4324
.950 -.4022
.953 -.3411

MACH (2) = 1.116 ALPHA (3) = -4.077 RUN. = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4411 .4741
.020 .4864
.030 .3463
.048 .2956
.050 .2627
.085 .1397
.150 -.0965
.177 -.0310
.250 -.3154
.274 -.2501
.402 -.3170
.565 .0532
.650 -.2238
.750 -.5099
.760 -.0264
.808 -.5271
.850 -.4530
.857 -.5275
.905 -.4865
.950 -.2518
.953 -.3983

-- 1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7059)
 MACH (2) = 1.125 ALPHA (4) = -1.872 RUN = 87,000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4728 .5536
 .020 .4156
 .030 .2754
 .048 .2243
 .050 .2015
 .085 .0041
 .150 -.2250
 .177 -.1100
 .250 -.3990
 .274 -.3037
 .402 -.3728
 .565 -.0872
 .630 -.4420
 .750 -.6357
 .760 -.0330
 .808 -.5098
 .850 -.4036
 .837 -.5144
 .905 -.4816
 .950 -.3188
 .953 -.4288

MACH (2) = 1.125 ALPHA (8) = .338 RUN = 87,000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4882 .6432
 .020 .3254
 .030 .1868
 .048 .1427
 .050 .1415
 .085 -.0814
 .150 -.3791
 .177 -.1859
 .250 -.5072
 .274 -.3688
 .402 -.4175
 .565 -.1819
 .630 -.6682
 .750 -.7508
 .760 -.0482
 .808 -.5041

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (2) = 1.123 ALPHA (5) = .336

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.4383
.857	-.5117	
.905	-.4860	
.950		-.3605
.953	-.4383	

MACH (2) = 1.114 ALPHA (6) = 2.527 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4832	.6924
.020		.1618
.030	.0927	
.048	.0624	
.050		.0272
.085	-.1659	
.150		-.4961
.177	-.2911	
.250		-.6136
.274	-.4294	
.402	-.4588	
.565	-.2125	
.650		-.7276
.750		-.8193
.760	-.0840	
.808	-.5099	
.850		-.5217
.857	-.5275	
.905	-.5059	
.950		-.4076
.953	-.4636	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U39)

MACH (2) = 1.103 ALPHA (7) = 4.711 RUN = 87,000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4463	.6594
.020		-.1745
.030	-.0393	
.048	-.0223	
.050		-.1414
.085	-.2665	
.150		-.5784
.177	-.3925	
.250		-.7034
.274	-.4724	
.402	-.4971	
.565	-.3216	
.650		-.8148
.750		-.9083
.760	-.1607	
.808	-.5244	
.850		-.6949
.857	-.5536	
.905	-.5346	
.950		-.5086
.953	-.4885	

MACH (2) = 1.092 ALPHA (8) = 6.915 RUN = 87,000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3943	.6421
.020		-.3266
.030	-.1560	
.048	-.1251	
.050		-.4397
.085	-.3504	
.150		-.6767
.177	-.4158	
.250		-.7813
.274	-.5222	
.402	-.5539	
.565	-.5201	
.650		-.8999
.750		-.9062
.760	-.2262	
.808	-.5510	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (2) = 1.092 ALPHA (8) = 6.915

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.7697

.857 -.5767

.905 -.5657

.950 -.6317

.953 -.5247

MACH (2) = 1.086 ALPHA (9) = 9.089 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3294 .6135

.020 -.4424

.030 -.2668

.048 -.2196

.050 -.5819

.085 -.4269

.150 -.8092

.177 -.4922

.250 -.8618

.274 -.5654

.402 -.5916

.565 -.6359

.650 -.9519

.750 -.8898

.760 -.3182

.808 -.6035

.850 -.8274

.857 -.6214

.905 -.6264

.950 -.7261

.953 -.5774

1A70 '01 T12 S1 P2 P6

WING UPPER SURFACE

(RF7059)

MACH (3) = 1.196 ALPHA (1) = -8.464 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2046 .2984

.020 .5891

.030 .4238

.048 .4011

.050 .4354

.085 .3395

.150 .1402

.177 .1336

.250 -.0563

.274 -.0718

.402 -.1526

.565 .1541

.650 .0206

.750 -.3727

.760 .0722

.808 -.4010

.850 -.3650

.857 -.4095

.905 -.3713

.950 -.2791

.953 -.2703

MACH (3) = 1.208 ALPHA (2) = -6.275 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2647 .4086

.020 .5713

.030 .3771

.048 .3447

.050 .3882

.085 .2462

.150 .0942

.177 .0730

.250 -.1348

.274 -.1240

.402 -.2058

.565 .0345

.650 -.3232

.750 -.4529

.760 .0618

.808 -.3909

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU59)

MACH (3) = 1.208 ALPHA (2) = -6.275

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3578

.857 -.4027

.905 -.3716

.950 -.2269

.953 -.3238

MACH (3) = 1.215 ALPHA (3) = -4.050 RUN = 84,000 RN/L = 7.067 BETA = 4.328

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3520 .3015

.020 .5330

.030 .3363

.048 .2943

.050 .3325

.085 .1305

.150 -.0011

.177 .0280

.250 -.2103

.274 -.1537

.402 -.2416

.565 -.1711

.650 -.4468

.750 -.6274

.760 .0481

.808 -.3838

.850 -.3732

.857 -.3979

.905 -.3668

.950 -.2889

.953 -.3297

IA70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RP7U59)

MACH (3) = 1.219 ALPHA (4) = -1.855 RUN = 84,000 RN/L = 7.067 BETA = 4.326

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.3977	.5759
.020		.4764
.030	.2749	
.048	.2357	
.050		.2719
.085	.0542	
.150		-.1276
.177	-.0514	
.250		-.2955
.274	-.2327	
.402	-.2925	
.565	-.3627	
.650		-.5185
.750		-.5384
.760	-.0001	
.808	-.3735	
.850		-.4535
.857	-.3925	
.905	-.3658	
.950		-.4080
.953	-.3296	

MACH (3) = 1.217 ALPHA (5) = .360 RUN = 84,000 RN/L = 7.067 BETA = 4.326

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.4161	.6302
.020		.3906
.030	.2103	
.048	.1781	
.050		.2133
.085	-.0132	
.150		-.2526
.177	-.1407	
.250		-.3978
.274	-.3063	
.402	-.3581	
.565	-.4259	
.650		-.5789
.750		-.5654
.760	-.0739	
.808	-.3719	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (3) = 1.217 ALPHA (3) = .360

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4889
.857 -.3929
.905 -.3763
.950 -.4531
.953 -.3409

MACH (3) = 1.210 ALPHA (6) = 2.540 RUN = 84,000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4777 .6760
.020 .2760
.030 .1410
.048 .1236
.050 .1329
.085 -.0926
.150 -.3535
.177 -.2407
.250 -.4775
.274 -.3740
.402 -.4141
.565 -.4707
.650 -.6440
.750 -.6572
.760 -.1503
.808 -.3752
.850 -.5604
.857 -.4020
.905 -.3698
.950 -.5189
.953 -.3564

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7059)

MACH (3) = 1.203 ALPHA (7) = 4.694 RUN = 84,000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4567	.6971
.020		-.0096
.030	.0210	
.048	.0270	
.050		-.0083
.085	-.1785	
.150		-.4381
.177	-.3403	
.250		-.5613
.274	-.4424	
.402	-.4707	
.565	-.5057	
.650		-.7059
.750		-.6779
.760	-.2305	
.808	-.4038	
.850		-.6132
.857	-.4189	
.905	-.4081	
.950		-.5710
.953	-.3754	

MACH (3) = 1.193 ALPHA (8) = 6.867 RUN = 84,000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3980	.6942
.020		-.1704
.030	-.0951	
.048	-.0967	
.050		-.2781
.085	-.2700	
.150		-.5249
.177	-.4137	
.250		-.6386
.274	-.4945	
.402	-.5145	
.565	-.5350	
.650		-.7665
.750		-.7308
.760	-.2936	
.808	-.4458	

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1A70 Q1 T12 S1 P2 P5

WING UPPER SURFACE

(RF7U59)

MACH (3) = 1.193 ALPHA (8) = 6.867

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.030 -.6637

.057 -.4523

.095 -.4360

.950 -.5987

.953 -.4066

MACH (3) = 1.182 ALPHA (9) = 9.049 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3769 .6714

.020 -.2917

.030 -.1817

.048 -.1787

.050 -.4304

.085 -.3804

.150 -.6548

.177 -.5249

.250 -.7114

.274 -.5521

.402 -.5609

.565 -.5711

.650 -.8177

.750 -.7636

.760 -.3428

.808 -.4911

.850 -.7277

.857 -.4941

.905 -.4849

.950 -.6658

.953 -.4435

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7059)

MACH (4) = 1.504 ALPHA (1) = -8.644 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2493 .4329

.020 .6643

.030 .3952

.040 .3743

.050 .5124

.065 .2606

.150 .2093

.177 .1875

.250 .0455

.274 .0026

.402 -.0763

.565 -.1395

.650 -.1842

.750 -.3754

.760 .1551

.808 -.1544

.850 -.3746

.857 -.1545

.905 -.1408

.950 -.2610

.953 -.1145

MACH (4) = 1.504 ALPHA (2) = -6.411 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3090 .5156

.020 .6424

.030 .3472

.040 .3226

.050 .4750

.065 .1906

.150 .1383

.177 .1167

.250 -.0139

.274 -.0498

.402 -.1213

.565 -.1910

.650 -.2452

.750 -.4049

.760 .0697

.808 -.1766

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (4) = 1.504 ALPHA (2) = -6.411

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4084
.857 -.1743
.905 -.1569
.950 -.3697
.953 -.1338

MACH (4) = 1.504 ALPHA (3) = -4.139 RUN = 119,000 RN/L = 7.433 BETA = 4.355

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3458 .5595
.020 .6065
.030 .3050
.048 .2609
.080 .4324
.085 .1372
.150 .0713
.177 .0387
.250 -.0767
.274 -.1043
.402 -.1752
.565 -.2412
.650 -.2926
.750 -.4411
.760 -.0264
.808 -.2080
.850 -.4444
.857 -.1942
.905 -.1783
.950 -.4109
.953 -.1321

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (4) = 1.504 ALPHA (4) = -1.916 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3783	.6065
.020		.5704
.030	.2467	
.048	.2241	
.050		.3880
.085	.0740	
.150		.0048
.177	-.0334	
.250		-.1407
.274	-.1535	
.402	-.2218	
.565	-.2798	
.650		-.3344
.750		-.4648
.760	-.1117	
.808	-.2477	
.850		-.4701
.857	-.2258	
.905	-.2026	
.950		-.4428
.953	-.1749	

MACH (4) = 1.504 ALPHA (5) = .309 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4045	.6775
.020		.4973
.030	.1910	
.048	.1700	
.050		.3336
.085	.0130	
.150		-.0679
.177	-.1006	
.250		-.1992
.274	-.2003	
.402	-.2627	
.565	-.3080	
.650		-.3792
.750		-.4912
.760	-.1697	
.808	-.2890	

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1A70 C1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (4) = 1.504 ALPHA (5) = .309

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.4963
.857 -.2670
.905 -.2332
.950 -.4293
.953 -.2016

MACH (4) = 1.504 ALPHA (6) = 2.535 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4250 .7130
.020 .3855
.030 .1400
.048 .1223
.050 .2466
.085 -.0343
.150 -.1331
.177 -.1639
.250 -.2552
.274 -.2513
.402 -.3022
.565 -.3317
.650 -.4172
.750 -.5137
.760 -.2220
.808 -.3428
.850 -.5186
.857 -.3102
.905 -.2793
.950 -.4007
.953 -.2396

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U59)

MACH (4) = 1.504 ALPHA (7) = 4.777 RUN = 119,000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4562	.7452
.020		.2020
.030	.0844	
.048	.0615	
.050		.1677
.085	-.0885	
.150		-.1968
.177	-.2302	
.250		-.3086
.274	-.3032	
.402	-.3390	
.565	-.3569	
.650		-.4553
.750		-.4695
.760	-.2729	
.808	-.3971	
.850		-.4204
.857	-.3487	
.905	-.3216	
.950		-.4228
.953	-.2704	

MACH (4) = 1.504 ALPHA (8) = 7.011 RUN = 119,000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4536	.7716
.020		.1060
.030	.0365	
.048	.0174	
.050		.0219
.085	-.1315	
.150		-.2457
.177	-.2851	
.250		-.3545
.274	-.3739	
.402	-.4027	
.565	-.3859	
.650		-.4908
.750		-.4732
.760	-.3187	
.808	-.4444	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU59)

MACH (4) = 1.504 ALPHA (8) = 7.011

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4410

.857 -.3912

.905 -.3598

.930 -.4448

.953 -.3101

MACH (4) = 1.504 ALPHA (9) = 9.232 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4953 .7847

.020 .0244

.030 .0268

.048 .0082

.050 -.1021

.085 -.1486

.150 -.3071

.177 -.3038

.250 -.3899

.274 -.4013

.402 -.4389

.565 -.4300

.650 -.5085

.750 -.4861

.760 -.3683

.808 -.4752

.850 -.4551

.857 -.4421

.905 -.4129

.950 -.4582

.953 -.3546

1A70 OI T12 S1 P2 P8

WING UPPER SURFACE

(RF7060) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.6100 IN. YMRP = .0000 IN. YO
 BREF = 936.6900 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = 6.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 SDFLAP = .000
 ELV-1B = 12.000 ELV-CB = 10.000

MACH (1) = .900 ALPHA (1) = -6.165 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1061 -.0907
 .020 .4319
 .030 .4024
 .048 .3808
 .050 .3034
 .065 .3006
 .150 -.0162
 .177 .0431
 .250 -.1885
 .274 -.0593
 .402 -.1490
 .565 -.1605
 .650 -.2584
 .750 -.8934
 .760 -.2866
 .808 -.9577
 .850 -.6011
 .857 -.7883
 .905 -.3285
 .950 -.2611
 .953 -.2303

MACH (1) = .897 ALPHA (2) = -6.030 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2203 .0657
 .020 .4033
 .030 .3554
 .048 .3195
 .050 .2234
 .065 .2196
 .150 -.1412
 .177 -.0525
 .250 -.2715

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU60)

MACH (1) = .897 ALPHA (2) = -6.030

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.274	-.1422
.402	-.2136
.565	-.2091
.650	-.3403
.750	-.9287
.760	-.3215
.808	-.9778
.850	-.3706
.857	-.4463
.905	-.3136
.950	-.2500
.953	-.2369

MACH (1) = .897 ALPHA (3) = -3.895 RUN = 92,000 RN/L = 6.044 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.3091	.2020
.020		.3561
.030	.3019	
.048	.2547	
.050		.1355
.085	.1353	
.150		-.2816
.177	-.1507	
.250		-.3965
.274	-.2257	
.402	-.2809	
.565	-.2412	
.650		-.4161
.750		-.9458
.760	-.3588	
.808	-.9893	
.850		-.3907
.857	-.4071	
.905	-.3178	
.950		-.3126
.953	-.2463	

1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U60)

MACH (1) = .896 ALPHA (4) = -1.748 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3707	.3424
.020		.2861
.030	.2360	
.040	.1805	
.050		.0188
.085	.0421	
.150		-.4298
.177	-.2576	
.250		-.5871
.274	-.3860	
.402	-.3626	
.565	-.2811	
.650		-.4495
.750		-.9292
.780	-.4152	
.808	-.8728	
.850		-.4058
.857	-.4144	
.905	-.3493	
.950		-.3474
.953	-.2786	

MACH (1) = .898 ALPHA (5) = .393 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4013	.4410
.020		.1190
.030	.1487	
.040	.0903	
.050		-.1073
.085	-.0653	
.150		-.5881
.177	-.3380	
.250		-.6391
.274	-.4852	
.402	-.4051	
.565	-.3007	
.650		-.5082
.750		-.8878
.780	-.4338	
.808	-.6313	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7060)

MACH (1) = .898 ALPHA (5) = .393

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4029
.857 -.4095
.905 -.3659
.950 -.3577
.953 -.3126

MACH (1) = .898 ALPHA (6) = 2.538 RUN = 92.000 RM/L = 0.044 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3964 .4609
.020 -.0585
.030 .0494
.048 -.0066
.050 -.2362
.085 -.1831
.150 -.8407
.177 -.4108
.250 -.9083
.274 -.6159
.402 -.4262
.565 -.3456
.650 -.5575
.750 -.9333
.760 -.4529
.808 -.5634
.850 -.4177
.857 -.4045
.905 -.3700
.950 -.3050
.953 -.3319

1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U60)

MACH (1) = .899 ALPHA (7) = 4.664 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3729	.4730
.020		-.2675
.030	-.0450	
.048	-.0926	
.050		-.3771
.085	-.3492	
.150		-.9860
.177	-.4749	
.250		-1.0759
.274	-.6966	
.402	-.7019	
.565	-.3750	
.650		-.6330
.750		-.6813
.760	-.4769	
.808	-.5176	
.850		-.5146
.857	-.4168	
.905	-.4020	
.950		-.4048
.953	-.3615	

MACH (1) = .900 ALPHA (8) = 6.806 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3384	.4328
.020		-.5538
.030	-.1342	
.048	-.1688	
.050		-.5198
.085	-.4591	
.150		-1.0645
.177	-.5245	
.250		-1.1857
.274	-.7574	
.402	-.7861	
.565	-.4173	
.650		-.6977
.750		-.6332
.760	-.4754	
.808	-.8552	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU80)

MACH (1) = .900 ALPHA (0) = 6.806

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3984
.857 -.4368
.905 -.3957
.950 -.3639
.953 -.3235

MACH (1) = .899 ALPHA (9) = 6.936 RUN = 92,000 RN/L = 6.044 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2903 .3690
.020 -.8019
.030 -.2335
.048 -.2486
.050 -.8555
.085 -.5337
.150 -1.0940
.177 -.5636
.250 -1.2529
.274 -.8063
.402 -.8514
.565 -.4915
.650 -.7042
.750 -.7392
.760 -.4068
.808 -.9741
.850 -.7196
.857 -.7038
.905 -.3540
.950 -.6938
.953 -.2395

1A70 O1 T12 S1 P2 P0

WING UPPER SURFACE

(RF7060)

MACH (2) = 1.090 ALPHA (1) = -6.564 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000	.2039	.1139
.020		.5375
.030	.4455	
.048	.4335	
.050		.4268
.063	.3807	
.150		.1643
.177	.1282	
.250		.0502
.274	.0483	
.402	.0222	
.565	.0506	
.650		-.0961
.750		-.5609
.760	-.0698	
.808	-.5813	
.850		-.5563
.857	-.3933	
.905	-.5346	
.950		-.4860
.953	-.4137	

MACH (2) = 1.105 ALPHA (2) = -6.386 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000	.3160	.2647
.020		.5302
.030	.3917	
.048	.3647	
.050		.3785
.085	.2989	
.150		.0926
.177	.0482	
.250		-.0389
.274	-.0961	
.402	-.0039	
.565	.0480	
.650		-.1081
.750		-.5455
.760	-.0590	
.808	-.5808	

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1A70 O1 T12 S1 P2 P0

WING UPPER SURFACE

(RF7080)

MACH (2) = 1.105 ALPHA (2) = -6.386

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.5371
.857 -.5763
.903 -.5269
.930 -.4618
.953 -.4313

MACH (2) = 1.117 ALPHA (3) = -4.178 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3759 .3588
.020 .4437
.030 .3320
.048 .2913
.050 .2494
.085 .2049
.150 -.0572
.177 .0030
.250 -.2686
.274 -.2057
.402 -.1852
.565 .0455
.650 -.1155
.750 -.5291
.760 -.0524
.808 -.5480
.850 -.5176
.857 -.5572
.903 -.5166
.930 -.4169
.953 -.4319

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U60)

MACH (2) = 1.131 ALPHA (4) = -1.978 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .4124 .4475

.020 .3916

.030 .2672

.048 .2248

.050 .1849

.085 .0485

.150 -.1796

.177 -.0405

.250 -.3573

.274 -.2406

.402 -.3193

.565 -.0051

.650 -.2245

.750 -.5059

.760 -.0639

.808 -.5374

.850 -.4509

.857 -.5433

.905 -.5148

.950 -.2959

.953 -.4579

MACH (2) = 1.135 ALPHA (5) = .210 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .4398 .5214

.020 .3113

.030 .2122

.048 .1745

.050 .1304

.085 -.0268

.150 -.3081

.177 -.1083

.250 -.4296

.274 -.2921

.402 -.3565

.565 -.0994

.650 -.4052

.750 -.6053

.760 -.0733

.808 -.5303

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WING UPPER SURFACE

(RF7U60)

MACH (2) = 1.135 ALPHA (5) = .210

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4500
.857 -.5367
.905 -.5128
.950 -.3199
.953 -.4650

MACH (2) = 1.127 ALPHA (6) = 2.407 RUN = 88,000 RN/L = 6.756 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4239 .5977
.020 .1954
.030 .1186
.048 .0974
.050 .0483
.085 -.1032
.150 -.4570
.177 -.1828
.250 -.5491
.274 -.3443
.402 -.4017
.365 -.1780
.650 -.5771
.750 -.7089
.760 -.1011
.808 -.5324
.850 -.4889
.857 -.5456
.905 -.5284
.950 -.4150
.953 -.4870

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U60)

MACH (2) = 1.118 ALPHA (7) = 4.580 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE - CP

2Y/B .4360 .7710

X/C

.000	.3822	.6111
.020		-.0174
.030	.0081	
.048	.0274	
.050		-.0716
.083	-.1830	
.150		-.5483
.177	-.2605	
.250		-.6534
.274	-.4113	
.402	-.4482	
.563	-.2371	
.650		-.7063
.750		-.7628
.760	-.1316	
.808	-.5356	
.850		-.4983
.857	-.5566	
.903	-.5440	
.950		-.4438
.953	-.5038	

MACH (2) = 1.109 ALPHA (8) = 6.788 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3322	.5975
.020		-.2619
.030	-.0877	
.048	-.0448	
.050		-.3365
.085	-.2530	
.150		-.6096
.177	-.3227	
.250		-.7253
.274	-.4708	
.402	-.4943	
.563	-.3251	
.650		-.8198
.750		-.8968
.760	-.1685	
.808	-.5348	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7080)

MACH (2) = 1.109 ALPHA (8) = 6.788

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850	-.8055
.857	-.5785
.905	-.5728
.950	-.5218
.953	-.5328

MACH (2) = 1.103 ALPHA (9) = 8.970 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2372	.5766
.020		-.3947
.030	-.1804	
.048	-.1398	
.050		-.5189
.085	-.3261	
.150		-.7209
.177	-.3814	
.250		-.8064
.274	-.5152	
.402	-.5343	
.565	-.4772	
.650		-.8986
.750		-.9320
.760	-.2135	
.808	-.5957	
.850		-.8032
.857	-.8056	
.905	-.6035	
.950		-.6600
.953	-.5635	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7J80)

MACH (3) = 1.201 ALPHA (1) = -8.343 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1418	.1904
.020		.5345
.030	.3624	
.048	.3497	
.050		.4039
.085	.3307	
.150		.1652
.177	.1494	
.250		-.0374
.274	-.0516	
.402	-.1098	
.565	.1499	
.650		.0163
.750		-.3910
.760	.0473	
.808	-.4188	
.850		-.3977
.857	-.4345	
.905	-.3973	
.950		-.3359
.953	-.3292	

MACH (3) = 1.212 ALPHA (2) = -8.266 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2344	.2995
.020		.5155
.030	.3367	
.048	.3141	
.050		.3550
.085	.2827	
.150		.1020
.177	.1020	
.250		-.1071
.274	-.0796	
.402	-.1708	
.565	.1051	
.650		.0070
.750		-.3858
.760	.0384	
.808	-.4138	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U60)

MACH (3) = 1.212 ALPHA (2) = -6.266

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 - .3860
.857 -.4254
.903 -.4000
.950 -.3222
.953 -.3541

MACH (3) = 1.218 ALPHA (3) = -4.032 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3609 .3794
.020 .4737
.030 .3180
.048 .2783
.050 .2969
.083 .1430
.150 .0035
.177 .0443
.250 -.1991
.274 -.1341
.402 -.2136
.563 .0020
.650 -.2208
.750 -.4307
.760 .0209
.808 -.4168
.850 -.3727
.857 -.4296
.903 -.4046
.950 -.2540
.953 -.3662

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U6D)

MACH (3) = 1.221 ALPHA (4) = -1.827 RUN = 83,000 RN/L = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4006	.4709
.020		.4231
.030	.2694	
.048	.2316	
.050		.2387
.063	.0641	
.150		-.1137
.177	-.0110	
.250		-.2787
.274	-.1764	
.402	-.2585	
.563	-.1881	
.650		-.4662
.750		-.5855
.760	.0031	
.808	-.4151	
.850		-.3502
.857	-.4306	
.905	-.4100	
.950		-.3026
.953	-.3758	

MACH (3) = 1.224 ALPHA (5) = .346 RUN = 83,000 RN/L = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4217	.5369
.020		.3534
.030	.2068	
.048	.1755	
.050		.1717
.063	-.0012	
.150		-.2379
.177	-.0758	
.250		-.3577
.274	-.2488	
.402	-.3024	
.563	-.3587	
.650		-.5315
.750		-.5935
.760	-.0236	
.808	-.4111	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U80)

MACH (3) = 1.224 ALPHA (5) = .346

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4586
.857 -.4281
.905 -.4135
.930 -.3777
.953 -.3833

MACH (3) = 1.218 ALPHA (6) = 2.611 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4145 .5852
.020 .2315
.030 .1115
.048 .0983
.050 .0801
.083 -.0914
.130 -.3658
.177 -.1667
.250 -.4881
.274 -.3121
.402 -.3581
.565 -.4289
.630 -.5946
.730 -.7223
.760 -.0779
.808 -.4137
.850 -.5904
.857 -.4309
.905 -.4230
.950 -.4224
.953 -.3947

1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U60)

MACH (3) = 1.210 ALPHA (7) = 4.709 RUN = 63.000 RN/L = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3742 .5940

.020 -.0151

.030 .0014

.040 .0063

.050 -.0101

.060 -.1763

.150 -.4336

.177 -.2627

.250 -.3395

.274 -.3663

.402 -.4097

.565 -.4647

.650 -.6736

.750 -.7642

.760 -.1500

.800 -.4227

.830 -.5654

.857 -.4409

.905 -.4329

.950 -.4905

.953 -.4070

MACH (3) = 1.202 ALPHA (8) = 6.906 RUN = 63.000 RN/L = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3163 .6109

.020 -.1766

.030 -.0977

.040 -.0963

.050 -.2511

.060 -.2616

.150 -.5046

.177 -.3563

.250 -.6144

.274 -.4196

.402 -.4451

.565 -.5021

.650 -.7346

.750 -.7753

.760 -.2076

.800 -.4389

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7060)

MACH (3) = 1.202 ALPHA (8) = 6.906

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 -.6588

.657 -.4531

.905 -.4500

.950 -.5899

.953 -.4280

MACH (3) = 1.194 ALPHA (9) = 9.114 RUN = 83.000 RNL = 7.089 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1873 .6032

.020 -.2920

.030 -.2312

.048 -.2056

.050 -.4177

.085 -.3616

.150 -.6194

.177 -.4474

.250 -.6884

.274 -.4726

.402 -.4811

.565 -.5358

.650 -.7923

.750 -.7802

.760 -.2346

.808 -.4749

.850 -.7385

.857 -.4852

.905 -.4797

.950 -.6506

.953 -.4514

1A70 Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7060)

MACH (4) = 1.504 ALPHA (1) = -8.656 RUN = 120,000 RN/L = 7.433 BETA = .000

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.1342	.2889
.020		.5665
.030	.3279	
.048	.3156	
.050		.4432
.085	.2298	
.150		.1841
.177	.1682	
.250		.0342
.274	.0003	
.402	-.0741	
.565	-.1387	
.650		-.1635
.750		-.3606
.760	.1686	
.808	-.1720	
.850		-.3614
.857	-.1799	
.905	-.1740	
.950		-.1605
.953	-.1499	

MACH (4) = 1.504 ALPHA (2) = -6.416 RUN = 120,000 RN/L = 7.433 BETA = .000

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.1751	.3463
.020		.5470
.030	.2812	
.048	.2652	
.050		.3995
.085	.1654	
.150		.1190
.177	.1046	
.250		-.0255
.274	-.0495	
.402	-.1217	
.565	-.1857	
.650		-.2215
.750		-.3930
.760	.1040	
.808	-.1943	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7060)

MACH (4) = 1.504 ALPHA (2) = -8.416

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3934

.857 -.1954

.905 -.1902

.950 -.2712

.953 -.1717

MACH (4) = 1.504 ALPHA (3) = -4.164 RUN = 120.000 RNL = 7.433 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2264 .4039

.020 .5187

.030 .2346

.048 .2166

.050 .3572

.085 .1033

.150 .0500

.177 .0403

.250 -.0847

.274 -.0985

.402 -.1662

.565 -.2303

.650 -.2724

.750 -.4257

.760 .0273

.800 -.2194

.850 -.4262

.857 -.2188

.905 -.2069

.950 -.3501

.953 -.1866

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U60)

MACH (4) = 1.504 ALPHA (4) = -1.966 RUN = 120,000 RN/L = 7,433 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2861	.5002
.020		.4992
.030	.1953	
.048	.1744	
.050		.3303
.085	.0433	
.150		-.0215
.177	-.0325	
.250		-.1530
.274	-.1476	
.402	-.2087	
.565	-.2704	
.650		-.3253
.750		-.4607
.760	-.0438	
.808	-.2445	
.850		-.4603
.857	-.2337	
.903	-.2231	
.950		-.4169
.953	-.1992	

MACH (4) = 1.504 ALPHA (5) = .283 RUN = 120,000 RN/L = 7,433 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3286	.5601
.020		.4356
.030	.1542	
.048	.1376	
.050		.2632
.085	.0001	
.150		-.0900
.177	-.0958	
.250		-.2141
.274	-.1938	
.402	-.2468	
.565	-.3012	
.650		-.3751
.750		-.4887
.760	-.1225	
.808	-.2644	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7080)

MACH (4) = 1.504 ALPHA (5) = .263

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830		-.4921
.857	-.2527	
.905	-.2386	
.950		-.3488
.953	-.2163	

MACH (4) = 1.504 ALPHA (6) = 2.504 RUN = 120.000 RN/L = 7.433 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3589	.8073
.020		.3284
.030	.1128	
.048	.0982	
.050		.2129
.083	-.0428	
.150		-.1525
.177	-.1532	
.250		-.2667
.274	-.2382	
.402	-.2860	
.563	-.3261	
.650		-.4165
.750		-.5143
.780	-.1814	
.808	-.2998	
.850		-.4338
.857	-.2843	
.905	-.2583	
.950		-.3930
.953	-.2298	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U60)

MACH (4) = 1.504 ALPHA (7) = 4.735 RUN = 120.000 RN/L = 7.433 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3233	.6464
.020		.1237
.030	.0456	
.048	.0422	
.050		.1224
.085	-.0956	
.150		-.2173
.177	-.2140	
.250		-.3214
.274	-.2860	
.402	-.3233	
.565	-.3518	
.650		-.4545
.750		-.4601
.760	-.2297	
.806	-.3396	
.850		-.4212
.857	-.3278	
.905	-.2946	
.950		-.4205
.953	-.2525	

MACH (4) = 1.504 ALPHA (8) = 6.974 RUN = 120.000 RN/L = 7.433 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3258	.6612
.020		.0221
.030	-.0789	
.048	-.0624	
.050		-.0668
.085	-.1776	
.150		-.2806
.177	-.2703	
.250		-.3759
.274	-.3279	
.402	-.3576	
.565	-.3766	
.650		-.4903
.750		-.4781
.760	-.2744	
.806	-.3763	

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1A70 O1 T12 S1 P2 P8

WING-UPPER SURFACE

(RF7U60)

MACH (4) = 1.504 ALPHA (9) = 6.974

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4475
.857 -.3867
.905 -.3332
.950 -.4500
.953 -.2847

MACH (4) = 1.504 ALPHA (9) = 9.194 RUN = 120,000 RN/L = 7.433 BETA = .000

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3253 .6700
.020 -.0489
.030 -.1279
.048 -.1099
.050 -.1724
.085 -.2263
.150 -.3607
.177 -.3515
.250 -.4234
.274 -.3982
.402 -.3895
.565 -.4055
.650 -.5196
.750 -.4846
.760 -.3127
.808 -.4090
.850 -.4665
.857 -.4017
.905 -.3698
.950 -.4747
.953 -.3187

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7061) (25 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = -4.000 ELV-1 = 8.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 BDFLAP = .000
 ELV-18 = 12.000 ELV-CB = 10.000

MACH (1) = .900 ALPHA (1) = -8.239 RUN = 160.000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0817 -.2201
 .020 .3634
 .030 .3627
 .048 .3466
 .050 .2673
 .085 .2810
 .150 -.0110
 .177 .0638
 .250 -.1828
 .274 -.0448
 .402 -.1492
 .565 -.2188
 .650 -.3677
 .750 -.9702
 .760 -.3657
 .808 -.9984
 .850 -.4794
 .857 -.9303
 .905 -.3866
 .950 -.3184
 .955 -.2670

MACH (1) = .897 ALPHA (2) = -8.047 RUN = 160.000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1790 -.0584
 .020 .3487
 .030 .3268
 .048 .2991
 .050 .2032
 .085 .2152
 .150 -.1114
 .177 -.0230
 .250 -.2570

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TABULATED PRESSURE DATA - 1A7D

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WING UPPER SURFACE

(RFTU61)

MACH (1) = .897 ALPHA (2) = -6.047

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1162
.402	-.2062
.565	-.2541
.650	-.4216
.750	-.9862
.760	-.4323
.808	-1.0290
.850	-.4290
.857	-.5728
.905	-.3818
.950	-.3621
.953	-.2865

MACH (1) = .898 ALPHA (3) = -3.933 RUN = 160.000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2408	.0869
.020		.3133
.030	.2780	
.048	.2412	
.050		.1227
.085	.1443	
.150		-.2238
.177	-.1046	
.250		-.3355
.274	-.1845	
.402	-.2551	
.565	-.2780	
.650		-.4672
.750		-.9463
.760	-.4580	
.808	-1.0355	
.850		-.4454
.857	-.4983	
.905	-.4072	
.950		-.3942
.953	-.3187	

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7061)

MACH (1) = .898 ALPHA (4) = -1.742 RUN = 160,000 RN/L = 5,900 BETA = -4,230

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2617	.2383
.020		.2447
.030	.2140	
.048	.1730	
.050		.0209
.085	.0657	
.150		-.3428
.177	-.1894	
.250		-.4858
.274	-.2540	
.402	-.3163	
.565	-.3190	
.650		-.4937
.750		-.8811
.760	-.4721	
.808	-1.0060	
.850		-.4476
.857	-.4992	
.905	-.4222	
.950		-.4099
.953	-.3341	

MACH (1) = .899 ALPHA (5) = .325 RUN = 160,000 RN/L = 5,900 BETA = -4,230

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2577	.3464
.020		.1327
.030	.1308	
.048	.0910	
.050		-.0965
.085	-.0238	
.150		-.4921
.177	-.2727	
.250		-.6038
.274	-.3653	
.402	-.3689	
.565	-.3353	
.650		-.5303
.750		-.8754
.760	-.4679	
.808	-.9965	

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WING UPPER SURFACE

(RF7U61)

MACH (1) = .899 ALPHA (5) = .325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4520
.857 -.5057
.905 -.4317
.950 -.4181
.953 -.3416

MACH (1) = .898 ALPHA (6) = 2.475 RUN = 160,000 RN/L = 5,900 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2249 .4059
.020 -.0309
.030 .0256
.048 -.0100
.050 -.2130
.085 -.1323
.150 -.7137
.177 -.3628
.250 -.6743
.274 -.4721
.402 -.4178
.565 -.3797
.650 -.5886
.750 -.7245
.760 -.5101
.808 -.9384
.850 -.4480
.857 -.5026
.905 -.4340
.950 -.4207
.953 -.3443

1A70 O1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U61)

MACH (1) = .898 ALPHA (7) = 4.612 RUN = 160,000 RN/L = 5,900 BETA = -4.230

SECTION (1) WING UPPER SURFACE - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1797	.4110
.020		-.2290
.030	-.0722	
.048	-.1004	
.050		-.3458
.085	-.2346	
.150		-.9433
.177	-.4419	
.250		-.9462
.274	-.5800	
.402	-.4681	
.565	-.4122	
.650		-.6539
.750		-.7228
.760	-.5313	
.808	-.8421	
.850		-.4389
.857	-.4980	
.905	-.4363	
.950		-.3967
.953	-.3505	

MACH (1) = .899 ALPHA (8) = 6.732 RUN = 160,000 RN/L = 5,900 BETA = -4.230

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1588	.3787
.020		-.4794
.030	-.1547	
.048	-.1755	
.050		-.4853
.085	-.3306	
.150		-1.0521
.177	-.5098	
.250		-1.1117
.274	-.6589	
.402	-.5849	
.565	-.4330	
.650		-.5460
.750		-.7886
.760	-.5470	
.808	-.8483	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7081)

MACH (1) = .099 ALPHA (8) = 6.732

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.4788
.057 -.5034
.905 -.4383
.950 -.4326
.953 -.3518

MACH (1) = .900 ALPHA (9) = 6.871 RUN = 160.000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1064 .2974
.020 -.7675
.030 -.2481
.048 -.2572
.050 -.6709
.083 -.4314
.150 -1.1138
.177 -.5722
.250 -1.1958
.274 -.7171
.402 -.7208
.565 -.4664
.650 -.6738
.750 -.7245
.760 -.5189
.808 -1.0510
.850 -.6863
.857 -.5679
.905 -.4135
.950 -.6301
.953 -.3055

1A7D Q1 T12 S1 P2 P8 WING UPPER SURFACE (RF7U61)

MACH (2) = 1.089 ALPHA (1) = -8.536 RUN = 89,000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE --- DEPENDENT VARIABLE CP

Zr/B .4360 .7710

X/C

.000	.1251	-.0654
.020		.4686
.030	.3885	
.048	.3955	
.050		.4089
.083	.3767	
.150		.1942
.177	.1774	
.250		-.0781
.274	.1131	
.402	.0563	
.565	.0120	
.650		-.0988
.750		-.5741
.760	-.1039	
.808	-.6052	
.850		-.5763
.857	-.6255	
.905	-.5749	
.950		-.3174
.953	-.4661	

MACH (2) = 1.104 ALPHA (2) = -6.304 RUN = 89,000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Zr/B .4360 .7710

X/C

.000	.2143	.1013
.020		.4688
.030	.3450	
.048	.3339	
.050		.3576
.083	.2984	
.150		.1253
.177	.0715	
.250		.0186
.274	.0238	
.402	.0115	
.565	.0000	
.650		-.1180
.750		-.5632
.760	-.1000	
.808	-.5873	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U61)

MACH (2) = 1.104 ALPHA (2) = -6.304

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5623
.857 -.6085
.905 -.5721
.950 -.5031
.953 -.4791

MACH (2) = 1.118 ALPHA (3) = -4.116 RUN = 89,000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2809 .2370
.020 .4157
.030 .2982
.048 .2804
.050 .2680
.085 .2338
.150 .0737
.177 .0264
.250 -.0912
.274 -.1494
.402 .0195
.565 -.0272
.650 -.1633
.750 -.5573
.760 -.1024
.808 -.5763
.850 -.5522
.857 -.5924
.905 -.5640
.950 -.4895
.953 -.4920

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7001)

MACH (2) = 1.126 ALPHA (4) = -1.900 RUN = 89,000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE --- DEPENDENT VARIABLE - CP

2Y/B .4360 .7710

X/C

.000 .2986 .3500

.020 .3539

.030 .2307

.048 .2026

.050 .1655

.065 .1272

.150 -.1512

.177 -.0290

.250 -.3046

.274 -.2114

.402 -.1316

.565 -.0349

.650 -.1970

.750 -.5582

.760 -.1066

.808 -.5685

.850 -.5425

.857 -.5802

.903 -.5543

.950 -.4495

.953 -.4844

MACH (2) = 1.124 ALPHA (5) = .286 RUN = 89,000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2984 .4206

.020 .2745

.030 .1627

.048 .1370

.050 .0859

.065 .0402

.150 -.2963

.177 -.0924

.250 -.4180

.274 -.2478

.402 -.2948

.565 -.0806

.650 -.2134

.750 -.5445

.760 -.1325

.808 -.5764

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1A70 01 T12 S1 P2 P3

WING UPPER SURFACE

(RF7U61)

MACH (2) = 1.124 ALPHA (5) = .286

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.5140
.057 -.5036
.065 -.5067
.090 -.4006
.093 -.5039

MACH (2) = 1.116 ALPHA (6) = 2.476 RUN = 89.000 RM/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2871 .4826
.020 .1666
.030 .1007
.048 .0783
.050 .0020
.085 -.0386
.150 -.4404
.177 -.1569
.250 -.5103
.274 -.3013
.402 -.3661
.565 -.1303
.650 -.3747
.750 -.6077
.760 -.1635
.808 -.5958
.850 -.5062
.857 -.5063
.903 -.5760
.950 -.3722
.953 -.5143

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U61)

MACH (2) = 1.105 ALPHA (7) = 4.665 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE ----- DEPENDENT VARIABLE=CP -----

Z Y/B .4360 .7710

X/C

.000	.2330	.5030
.020		.0108
.030	.0121	
.048	-.0082	
.050		-.0999
.083	-.1374	
.150		-.5629
.177	-.2339	
.250		-.6320
.274	-.3577	
.402	-.4219	
.565	-.1747	
.650		-.4852
.750		-.6890
.760	-.1982	
.808	-.6190	
.850		-.5598
.857	-.6012	
.905	-.5896	
.950		-.4248
.953	-.5195	

MACH (2) = 1.095 ALPHA (8) = 6.880 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Z Y/B .4360 .7710

X/C

.000	.1280	.5033
.020		-.2567
.030	-.0962	
.048	-.1041	
.050		-.2003
.085	-.2148	
.150		-.6334
.177	-.3023	
.250		-.7325
.274	-.4016	
.402	-.4581	
.565	-.2149	
.650		-.5499
.750		-.7339
.760	-.2446	
.808	-.6456	

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WING UPPER SURFACE

(RF7061)

MACH (2) = 1.095 ALPHA (8) = 6.880

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.030 -.6255
.057 -.6200
.095 -.6062
.950 -.5038
.953 -.5189

MACH (2) = 1.087 ALPHA (9) = 9.061 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0181 .5010
.020 -.4158
.030 -.2204
.048 -.2036
.050 -.5083
.085 -.2888
.150 -.6947
.177 -.3581
.250 -.7885
.274 -.4313
.402 -.4634
.565 -.2587
.650 -.7407
.750 -.8197
.760 -.3023
.808 -.6886
.850 -.7098
.857 -.6540
.905 -.6347
.950 -.5888
.953 -.5320

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7081)

MACH (3) = 1.198 ALPHA (1) = -8.539 RUN = 81.000 R/V/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0754 .0430

.020 .4762

.030 .3028

.048 .2979

.050 .4221

.085 .3094

.150 .2531

.177 .1390

.250 .1561

.274 -.0195

.402 .1863

.565 .0849

.650 .0090

.750 -.4149

.760 .0106

.808 -.4403

.850 -.4198

.857 -.4693

.905 -.4273

.950 -.3680

.953 -.3613

MACH (3) = 1.210 ALPHA (2) = -6.298 RUN = 81.000 R/V/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1890 .1550

.020 .4433

.030 .3137

.048 .2999

.050 .3113

.085 .2606

.150 .0994

.177 .1043

.250 -.0827

.274 -.0526

.402 -.1156

.565 .0666

.650 -.0128

.750 -.4131

.760 .0092

.808 -.4321

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1A7D Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U81)

MACH (3) = 1.210 ALPHA (2) = -6.298

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 -.4168
.857 -.4563
.905 -.4230
.950 -.3840
.953 -.3731

MACH (3) = 1.217 ALPHA (3) = -4.100 RUN = 61.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2442 .2704
.020 .4274
.030 .2650
.048 .2445
.050 .2715
.085 .1792
.150 .0106
.177 .0536
.250 -.1530
.274 -.1126
.402 -.1896
.565 .0349
.650 -.0332
.750 -.4109
.760 -.0080
.808 -.4302
.850 -.4064
.857 -.4503
.905 -.4272
.950 -.3512
.953 -.3867

1A70 .01 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU61)

MACH (3) = 1.220 ALPHA (4) = -1.895 RUN = 81.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2869 .3539

.020 .3831

.030 .2263

.048 .2037

.050 .2118

.085 .1034

.150 -.0933

.177 .0066

.250 -.2565

.274 -.1578

.402 -.2287

.565 -.0535

.650 -.1844

.750 -.4299

.760 -.0260

.808 -.4421

.850 -.3969

.857 -.4555

.905 -.4349

.950 -.3281

.953 -.3962

MACH (3) = 1.218 ALPHA (5) = .325 RUN = 81.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2963 .4327

.020 .3233

.030 .1703

.048 .1489

.050 .1457

.085 .0399

.150 -.2076

.177 -.0528

.250 -.3332

.274 -.2012

.402 -.2726

.565 -.1229

.650 -.4197

.750 -.5300

.760 -.0507

.808 -.4302

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U81)

MACH (3) = 1.218 ALPHA (5) = .325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4165
.857 -.4564
.905 -.4450
.950 -.2914
.953 -.4130

MACH (3) = 1.212 ALPHA (6) = 2.525 RUN = 81.000 RM/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2861 .4838
.020 .2160
.030 .1003
.048 .0856
.050 .0567
.085 -.0447
.150 -.3485
.177 -.1145
.250 -.4308
.274 -.2564
.402 -.3130
.565 -.2349
.650 -.5260
.750 -.6538
.760 -.0862
.808 -.4647
.850 -.4338
.857 -.4648
.905 -.4557
.950 -.3404
.953 -.4245

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U61)

MACH (3) = 1.202 ALPHA (7) = 4.736 RUN = 61.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2358	.5216
.020		.0670
.030	.0248	
.048	.0168	
.050		-.0227
.085	-.1234	
.150		-.4478
.177	-.1743	
.250		-.5299
.274	-.3003	
.402	-.5624	
.565	-.3079	
.650		-.6035
.750		-.7100
.760	-.1216	
.808	-.4800	
.850		-.4864
.857	-.4756	
.905	-.4672	
.950		-.4039
.953	-.4352	

MACH (3) = 1.194 ALPHA (8) = 6.944 RUN = 61.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1310	.5268
.020		-.1823
.030	-.0769	
.048	-.0735	
.050		-.1635
.085	-.1872	
.150		-.4885
.177	-.2378	
.250		-.6003
.274	-.3472	
.402	-.4068	
.565	-.3274	
.650		-.6829
.750		-.7584
.760	-.1826	
.808	-.4940	

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IA70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U61)

MACH (3) = 1.194 ALPHA (8) = 6.944

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.5321
.857 -.4883
.905 -.4814
.950 -.4714
.953 -.4488

MACH (3) = 1.183 ALPHA (9) = 9.151 RUN = 81.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0064 .5372
.020 -.2947
.030 -.1914
.048 -.1680
.050 -.3949
.085 -.2575
.150 -.5891
.177 -.3051
.250 -.6715
.274 -.3909
.402 -.4431
.565 -.3221
.650 -.7472
.750 -.8042
.760 -.2116
.808 -.5358
.850 -.6023
.857 -.5148
.905 -.5025
.950 -.5680
.953 -.4604

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7061)

MACH (4) = 1.504 ALPHA (1) = -8.663 RUN = 121,000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0715	.1427
.020		.4691
.030	.2775	
.048	.2729	
.050		.3787
.085	.2115	
.150		.1646
.177	.1599	
.250		.0448
.274	.0113	
.402	-.0574	
.565	-.1511	
.650		-.1377
.750		-.3401
.760	.1651	
.808	-.1842	
.850		-.1963
.857	-.1994	
.905	-.1985	
.950		-.0991
.953	-.1825	

MACH (4) = 1.504 ALPHA (2) = -6.375 RUN = 121,000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1024	.1969
.020		.4562
.030	.2303	
.048	.2214	
.050		.3441
.085	.1517	
.150		.1121
.177	.1026	
.250		-.0182
.274	-.0380	
.402	-.1028	
.565	-.1775	
.650		-.1805
.750		-.3701
.760	.1140	
.808	-.2087	

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WING UPPER SURFACE

(RF7U61)

MACH (4) = 1.504 ALPHA (2) = -6.375

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3708
.857 -.2119
.905 -.2089
.950 -.1908
.953 -.1928

MACH (4) = 1.504 ALPHA (3) = -4.156 RUN = 121,000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1632 .2975
.020 .4544
.030 .1936
.048 .1784
.050 .3142
.085 .0945
.150 .0576
.177 .0492
.250 -.0704
.274 -.0787
.402 -.1412
.565 -.2079
.650 -.2333
.750 -.3948
.760 .0672
.808 -.2264
.850 -.3989
.857 -.2324
.905 -.2255
.950 -.2654
.953 -.2058

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U81)

MACH (4) = 1.504 ALPHA (4) = -1.920 RUN = 121.000 RN/L = 7.422 BETA = -4.353

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2202 .3889

.020 .4072

.030 .1606

.048 .1439

.050 .2611

.065 .0458

.150 -.0265

.177 .0018

.250 -.1386

.274 -.1189

.402 -.1745

.565 -.2371

.650 -.2802

.750 -.4291

.760 .0277

.808 -.2435

.850 -.4286

.857 -.2496

.905 -.2408

.950 -.3027

.953 -.2205

MACH (4) = 1.504 ALPHA (5) = .299 RUN = 121.000 RN/L = 7.422 BETA = -4.353

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2734 .4565

.020 .3600

.030 .1335

.048 .1195

.050 .2212

.065 .0025

.150 -.1132

.177 -.0530

.250 -.2209

.274 -.1550

.402 -.2094

.565 -.2619

.650 -.3424

.750 -.4630

.760 -.0187

.808 -.2624

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WING UPPER SURFACE

(RFTU61)

MACH (4) = 1.504 ALPHA (5) = .299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 -.4588
.857 -.2616
.905 -.2591
.950 -.2939
.953 -.2378

MACH (4) = 1.504 ALPHA (6) = 2.525 RUN = 121,000 RN/L = 7.422 BETA = -4.355

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2912 .4950
.020 .2384
.030 .0871
.048 .0814
.050 .1535
.085 -.0415
.150 -.1780
.177 -.1113
.250 -.2750
.274 -.1986
.402 -.2410
.565 -.2931
.650 -.3949
.750 -.4949
.760 -.0796
.808 -.2748
.850 -.4588
.857 -.2744
.905 -.2690
.950 -.3377
.953 -.2478

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U81)

MACH (4) = 1.504 ALPHA (7) = 4.754 RUN = 121.000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE - CP

2Y/B .4360 .7710

X/C

.000 .2623 .5367

.020 .0632

.030 .0290

.048 .0280

.050 .0727

.085 -.0887

.150 -.2388

.177 -.1675

.250 -.3337

.274 -.2419

.402 -.2774

.565 -.3195

.650 -.4417

.750 -.4713

.760 -.1461

.808 -.2895

.850 -.4142

.857 -.2839

.905 -.2762

.950 -.4000

.953 -.2549

MACH (4) = 1.504 ALPHA (8) = 6.960 RUN = 121.000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1474 .5622

.020 -.0132

.030 -.0676

.048 -.0563

.050 -.0864

.085 -.1544

.150 -.2985

.177 -.2172

.250 -.3842

.274 -.2781

.402 -.3033

.565 -.3410

.650 -.4855

.750 -.4797

.760 -.1899

.808 -.3120

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WING UPPER SURFACE

(RFTU61)

MACH (4) = 1.504 ALPHA (6) = 6.960

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4411
.857 -.3061
.905 -.2945
.950 -.4330
.953 -.2707

MACH (4) = 1.504 ALPHA (9) = 9.206 RUN = 121,000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0752 .3773
.020 -.0840
.030 -.1794
.040 -.1221
.050 -.1906
.060 -.2086
.100 -.3606
.177 -.2676
.250 -.4277
.274 -.3135
.402 -.3292
.565 -.3625
.650 -.5142
.750 -.4792
.760 -.2240
.808 -.3394
.850 -.4582
.857 -.3306
.905 -.3152
.950 -.4582
.953 -.2856

1A70 01 T12 S1 P2 P5

WING UPPER SURFACE

(RF7062) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BRP = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -8.000 ELV-1 = 8.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 BDFLAP = .000
 ELV-1B = 12.000 ELV-CB = 10.000

MACH (1) = .901 ALPHA (1) = -8.225 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.000 .0496 -.3548
 .020 .3124
 .030 .3390
 .048 .3309
 .050 .2564
 .085 .2778
 .150 .0104
 .177 .0920
 .250 -.1567
 .274 -.0175
 .402 -.1458
 .565 -.2653
 .650 -.4038
 .750 -.9852
 .760 -.4354
 .808 -1.0232
 .850 -.6055
 .857 -.9892
 .905 -.4553
 .950 -.3866
 .953 -.3378

MACH (1) = .896 ALPHA (2) = -5.998 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.000 .1110 -.1909
 .020 .3111
 .030 .3051
 .048 .2852
 .050 .2017
 .085 .2140
 .150 -.0810
 .177 .0191
 .250 -.2298

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WING UPPER SURFACE

(RFTU62)

MACH (1) = .896 ALPHA (2) = -5.998

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.0760
.402	-.1911
.565	-.2910
.650	-.4511
.750	-1.0102
.760	-.4685
.808	-1.0538
.850	-.4752
.857	-.6537
.905	-.4307
.950	-.4125
.953	-.3242

MACH (1) = .897 ALPHA (3) = -3.887 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1186	-.0213
.020		.2921
.030	.2686	
.048	.2478	
.050		.1367
.085	.1693	
.150		-.1875
.177	-.0458	
.250		-.2950
.274	-.1290	
.402	-.2300	
.565	-.3075	
.650		-.4959
.750		-.7988
.760	-.4930	
.808	-1.0690	
.850		-.4631
.857	-.5398	
.905	-.4205	
.950		-.4264
.953	-.3179	

IA70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U62)

MACH (1) = .897 ALPHA (4) = -1.892 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1149	.1289
.020		.2348
.030	.1780	
.048	.1677	
.050		.0423
.085	.1093	
.150		-.3129
.177	-.0954	
.250		-.3995
.274	-.1807	
.402	-.2711	
.565	-.3316	
.650		-.5324
.750		-.5819
.760	-.5118	
.808	-1.0610	
.850		-.4379
.857	-.5222	
.905	-.4207	
.950		-.4137
.953	-.3256	

MACH (1) = .897 ALPHA (5) = .427 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1018	.2616
.020		.1477
.030	.0787	
.048	.0645	
.050		-.0640
.085	.0108	
.150		-.4009
.177	-.1453	
.250		-.5279
.274	-.2208	
.402	-.3042	
.565	-.3532	
.650		-.5556
.750		-.5161
.760	-.5367	
.808	-.9717	

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WING UPPER SURFACE

(RF7062)

MACH (1) = .897 ALPHA (5) = .427

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.4190
.857	-.5096	
.905	-.4137	
.950		-.4023
.953	-.3228	

MACH (1) = .897 ALPHA (6) = 2.612 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0546	.3465
.020		.0160
.030	-.0123	
.048	-.0281	
.050		-.1781
.085	-.0850	
.150		-.5394
.177	-.2178	
.250		-.6465
.274	-.2754	
.402	-.3419	
.565	-.3724	
.650		-.5961
.750		-.4971
.760	-.5685	
.808	-.7417	
.850		-.4229
.857	-.4880	
.905	-.4033	
.950		-.4052
.953	-.3201	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7082)

MACH (1) = .898 ALPHA (7) = -4.761 RUN = 91,000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0213	.3795
.020		-.1495
.030	-.1026	
.048	-.1124	
.050		-.2803
.085	-.1745	
.150		-.7523
.177	-.2986	
.250		-.7726
.274	-.3413	
.402	-.3901	
.565	-.4024	
.650		-.6312
.750		-.5535
.760	-.5906	
.808	-.6755	
.850		-.4409
.857	-.4866	
.905	-.4069	
.950		-.4160
.953	-.3231	

MACH (-1) = .899 ALPHA (8) = 6.916 RUN = 91,000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.1112	.3648
.020		-.3941
.030	-.2013	
.048	-.1973	
.050		-.4443
.085	-.2814	
.150		-.9814
.177	-.3796	
.250		-.9470
.274	-.4134	
.402	-.4433	
.565	-.4340	
.650		-.6679
.750		-.5952
.760	-.6109	
.808	-.6716	

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WING UPPER SURFACE

(RP7U62)

MACH (1) = .899 ALPHA (8) = 6.916

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4586
.857	-.5031
.905	-.4239
.950	-.4196
.953	-.3344

MACH (1) = .899 ALPHA (9) = 9.075 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.1566	.3347
.020		-.6757
.030	-.2896	
.048	-.2705	
.050		-.5710
.085	-.3380	
.150		-1.0897
.177	-.4538	
.250		-1.1637
.274	-.4860	
.402	-.5025	
.565	-.4709	
.650		-.5344
.750		-.9174
.760	-.6320	
.808	-.7096	
.850		-.4949
.857	-.5363	
.905	-.4409	
.950		-.4509
.953	-.3309	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U62)

MACH (2) = 1.002 ALPHA (1) = -8.607 RUN = 90,000 RN/L = 6.756 BETA = -8.650

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0673	-.2073
.020		.3971
.030	.3520	
.048	.3728	
.050		.3798
.085	.3739	
.150		.2062
.177	.1998	
.250		.0871
.274	.1249	
.402	.0550	
.565	-.0349	
.650		-.1161
.750		-.5975
.760	-.1549	
.808	-.6420	
.830		-.5986
.857	-.6695	
.905	-.6297	
.950		-.5421
.953	-.5631	

MACH (2) = 1.095 ALPHA (2) = -6.377 RUN = 90,000 RN/L = 6.756 BETA = -8.650

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0948	-.0429
.020		.4284
.030	.3143	
.048	.3228	
.050		.3599
.085	.3118	
.150		.1568
.177	.1317	
.250		.0535
.274	.0766	
.402	.0209	
.565	-.0478	
.650		-.1334
.750		-.5833
.760	-.1412	
.808	-.6199	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U62)

MACH (2) = 1.095 ALPHA (2) = -6.377

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.5875
.857 -.6531
.905 -.6160
.950 -.5352
.953 -.5431

MACH (2) = 1.106 ALPHA (3) = -4.189 RUN = 90.000 RN/L = 6.756 BETA = -8.630

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0981 .1249
.020 .4183
.030 .2125
.048 .2215
.050 .3019
.085 .2216
.150 .0995
.177 .0456
.250 -.0130
.274 -.0107
.402 -.0136
.565 -.0447
.650 -.1540
.750 -.3785
.760 -.1311
.808 -.6031
.850 -.5775
.857 -.6279
.905 -.5973
.950 -.5226
.953 -.5195

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7062)

MACH (2) = 1.115 ALPHA (4) = -1.966 RUN = 90.000 RN/L = 6.756 BETA = -8.650

SECTION (1) WING UPPER SURFACE -- DEPENDENT VARIABLE-CP- --

2Y/B .4360 .7710

X/C

.000 .1128 .2470

.020 .3355

.030 .1285

.048 .1275

.050 .1793

.085 .1106

.150 .0685

.177 -.0045

.250 -.1212

.274 -.1467-

.402 -.0359

.565 -.0554

.650 -.1932

.750 -.5738

.760 -.1510

.808 -.5934

.850 -.5726

.857 -.6042

.905 -.5754

.950 -.5023

.953 -.5029

MACH (2) = 1.112 ALPHA (5) = .241 RUN = 90.000 RN/L = 6.756 BETA = -8.650

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0962 .3524

.020 .2656

.030 .0657

.048 .0391

.050 .0916

.085 .0303

.150 -.2065

.177 -.0762

.250 -.2941

.274 -.1750

.402 -.1126

.565 -.0974

.650 -.2266

.750 -.5863

.760 -.1826

.808 -.6058

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TABULATED PRESSURE DATA - 1A70

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WING UPPER SURFACE

(RF7062)

MACH (2) = 1.112 ALPHA (5) = .241

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850	-.5673
.857	-.5942
.905	-.5654
.950	-.4661
.953	-.4905

MACH (2) = 1.107 ALPHA (6) = 2.431 RUN = 90.000 RN/L = 6.756 BETA = -8.630

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0329	.4270
.020		.1580
.030	-.0067	
.048	-.0140	
.050		.0029
.065	-.0433	
.150		-.3705
.177	-.1440	
.250		-.4478
.274	-.2235	
.402	-.2049	
.565	-.1101	
.650		-.2499
.750		-.6027
.760	-.2263	
.808	-.6454	
.850		-.5730
.857	-.6202	
.905	-.5738	
.950		-.4771
.953	-.4623	

1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU82)

MACH (2) = 1.007 ALPHA (7) = 4.647 RUN = 90.000 RN/L = 6.756 BETA = -8.650

SECTION (1) WING UPPER SURFACE -- -- -- DEPENDENT VARIABLE CP -- -- --

Zy/B .4360 .7710

X/C

.000 -.0180 .4584

.020 .0103

.030 -.0575

.048 -.0641

.050 -.0916

.085 -.0976

.150 -.5246

.177 -.1994

.250 -.5597

.274 -.2685

.402 -.2368

.565 -.1355

.650 -.2740

.750 -.6174

.760 -.2599

.808 -.6768

.850 -.5939

.857 -.6562

.905 -.5990

.950 -.5067

.955 -.4725

MACH (2) = 1.090 ALPHA (8) = 6.846 RUN = 90.000 RN/L = 6.756 BETA = -8.650

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 -.0628 .4714

.020 -.1993

.030 -.1074

.048 -.1117

.050 -.1638

.085 -.1480

.150 -.6137

.177 -.2432

.250 -.6756

.274 -.2926

.402 -.2613

.565 -.1773

.650 -.3480

.750 -.6437

.760 -.3008

.808 -.7034

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WING UPPER SURFACE

(RF7U62)

MACH (2) = 1.090 ALPHA (8) = 8.846

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.6180
.857 -.6840
.905 -.6341
.930 -.5121
.933 -.4789

MACH (2) = 1.080 ALPHA (9) = 9.030 RUN = 90.000 RN/L = 6.756 BETA = -8.650

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0753 .4679
.020 -.3840
.030 -.1390
.048 -.1402
.050 -.3600
.085 -.1799
.150 -.6717
.177 -.2759
.250 -.7788
.274 -.3337
.402 -.3288
.565 -.2303
.650 -.4807
.750 -.7163
.760 -.3443
.808 -.7348
.850 -.6415
.857 -.7104
.905 -.6654
.950 -.5032
.933 -.4795

1A70 O1 T12 S1 P2 P6

WING UPPER SURFACE

(RF7U62)

MACH (3) = 1.191 ALPHA (1) = -8.561 RUN = 82.000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0316	-.0973
.020		.4234
.030	.2516	
.048	.2594	
.050		.4063
.065	.2789	
.150		.2615
.177	.1473	
.250		.1654
.274	-.0079	
.402	.1391	
.565	-.0032	
.650		-.0110
.750		-.4245
.760	-.0382	
.808	-.4803	
.850		-.4340
.857	-.5140	
.905	-.4838	
.950		-.3878
.953	-.4365	

MACH (3) = 1.202 ALPHA (2) = -8.341 RUN = 82.000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1077	.0189
.020		.3886
.030	.2398	
.048	.2330	
.050		.2998
.065	.2332	
.150		.1783
.177	.1006	
.250		.1621
.274	-.0344	
.402	.0213	
.565	-.0261	
.650		-.0698
.750		-.4267
.760	-.0291	
.808	-.4669	

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WING UPPER SURFACE

(RFTU62)

MACH (3) = 1.202 ALPHA (2) = -6.341

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4335
.857 -.5017
.905 -.4707
.950 -.3913
.953 -.4253

MACH (3) = 1.210 ALPHA (3) = -4.123 RUN = 82.000 RN/L = 7.100 BETA = -8.670

SECTION (1)WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0842 .1450
.020 .3802
.030 .2109
.048 .2149
.050 .2499
.085 .1841
.150 .0349
.177 .0580
.250 -.1099
.274 -.0970
.402 -.1414
.565 -.0453
.650 -.0838
.750 -.4378
.760 -.0328
.808 -.4615
.850 -.4328
.857 -.4963
.905 -.4621
.950 -.3892
.953 -.4225

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7062)

MACH (3) = 1.215 ALPHA (4) = -1.890 RUN = 82,000 RN/L = 7,100 BETA = -0.670

SECTION (1) WING UPPER SURFACE

-DEPENDENT VARIABLE CP -----

2Y/B .4360 .7710

X/C

.000	.1098	.2599
.020		.3491
.030	.1375	
.048	.1393	
.050		.1942
.085	.1237	
.150		-.0606
.177	.0004	
.250		-.1854
.274	-.1382	
.402	-.1921	
.565	-.0685	
.650		-.1118
.750		-.4427
.760	-.0561	
.808	-.4595	
.850		-.4373
.857	-.4774	
.905	-.4549	
.950		-.3892
.953	-.4177	

MACH (3) = 1.211 ALPHA (5) = .328 RUN = 82,000 RN/L = 7,100 BETA = -0.670

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1013	.3496
.020		.2996
.030	.0771	
.048	.0723	
.050		.1293
.085	.0488	
.150		-.1796
.177	-.0580	
.250		-.2964
.274	-.1744	
.402	-.2244	
.565	-.0873	
.650		-.1943
.750		-.4706
.760	-.0982	
.808	-.4769	

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WING UPPER SURFACE

(RFTU62)

MACH (3) = 1.211 ALPHA (3) = .328

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.4578

.057 -.4700

.065 -.4528

.050 -.3797

.053 -.4183

MACH (3) = 1.205 ALPHA (6) = 2.572 RUN = 82.000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0559 .4159

.020 .1809

.030 .0144

.048 .0083

.050 .0447

.065 -.0193

.150 -.3121

.177 -.1189

.250 -.3917

.274 -.2136

.402 -.2707

.565 -.0908

.650 -.2704

.750 -.4916

.780 -.1407

.808 -.3077

.850 -.4612

.857 -.4949

.905 -.4679

.930 -.3655

.953 -.4319

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7062)

MACH (3) = 1.198 ALPHA (7) = 4.739 RUN = 82,000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING UPPER SURFACE -- -- -- DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0138	.4517
.020		.0397
.030	-.0319	
.048	-.0381	
.050		-.0342
.085	-.0710	
.150		-.4327
.177	-.1658	
.250		-.4997
.274	-.2488	
.402	-.3019	
.565	-.1191	
.650		-.3436
.750		-.5387
.760	-.1766	
.808	-.5290	
.850		-.4705
.857	-.5044	
.905	-.4746	
.950		-.3619
.953	-.4367	

MACH (3) = 1.190 ALPHA (8) = 6.963 RUN = 82,000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0221	.4718
.020		-.1776
.030	-.0792	
.048	-.0814	
.050		-.1150
.085	-.1191	
.150		-.4935
.177	-.2122	
.250		-.5808
.274	-.2819	
.402	-.3355	
.565	-.1480	
.650		-.4308
.750		-.6112
.760	-.2075	
.808	-.5487	

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TABULATED PRESSURE DATA ~ 1A70

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7052)

MACH (3) = 1.190 ALPHA (8) = 6.963

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5253
.857 -.5115
.905 -.4837
.950 -.3914
.953 -.4443

MACH (3) = 1.177 ALPHA (9) = 9.129 RUN = 82.000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0499 .4804
.020 -.2970
.030 -.1224
.048 -.1197
.050 -.3477
.085 -.1619
.150 -.5507
.177 -.2484
.250 -.6525
.274 -.3112
.402 -.3554
.565 -.1752
.650 -.5039
.750 -.6628
.780 -.2508
.808 -.5859
.850 -.5970
.857 -.5481
.905 -.5225
.950 -.4400
.953 -.4748

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7062)

MACH (4) = 1.504 ALPHA (1) = -8.710 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0546	.0120
.020		.3787
.030	.2410	
.048	.2430	
.050		.3236
.065	.2099	
.150		.1608
.177	.1566	
.250		.0547
.274	.0185	
.402	-.0630	
.565	-.0703	
.650		-.0537
.750		-.2832
.760	.1272	
.808	-.1596	
.850		-.2050
.857	-.2099	
.903	-.2188	
.950		-.1466
.953	-.2124	

MACH (4) = 1.504 ALPHA (2) = -6.449 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0363	.0679
.020		.3740
.030	.2049	
.048	.1985	
.050		.2982
.085	.1380	
.150		.1183
.177	.0983	
.250		.0147
.274	-.0252	
.402	-.1055	
.565	-.1297	
.650		-.1102
.750		-.3067
.760	.0621	
.808	-.2198	

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U62)

MACH (4) = 1.504 ALPHA (2) = -6.449

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3042
.857 -.2135
.905 -.2241
.950 -.1725
.953 -.2202

MACH (4) = 1.504 ALPHA (3) = -4.220 RUN = 122.000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0168 .1885
.020 .3871
.030 .1543
.048 .1606
.050 .2742
.085 .0996
.150 .0607
.177 .0605
.250 -.0505
.274 -.0621
.402 -.1331
.565 -.1908
.650 -.1813
.750 -.3455
.760 .0303
.808 -.2362
.850 -.3319
.857 -.2338
.905 -.2310
.950 -.2648
.953 -.2243

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7062)

MACH (4) = 1.504 ALPHA (4) = -1.969 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0373 .2620

.020 .3648

.030 .0840

.048 .0868

.050 .2341

.063 .0763

.150 -.0139

.177 .0169

.250 -.1194

.274 -.0938

.402 -.1544

.563 -.1966

.650 -.2470

.750 -.3820

.760 -.0023

.808 -.2584

.850 -.3690

.857 -.2592

.903 -.2536

.950 -.2962

.953 -.2337

MACH (4) = 1.504 ALPHA (5) = .303 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0671 .3665

.020 .3193

.030 .0510

.048 .0482

.050 .1913

.063 .0323

.150 -.0962

.177 -.0314

.250 -.1907

.274 -.1199

.402 -.1792

.563 -.2213

.650 -.2931

.750 -.4324

.760 -.0249

.808 -.2731

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WING UPPER SURFACE

(RF7062)

MACH (4) = 1.504 ALPHA (5) = .303

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4169
.857 -.2742
.905 -.2744
.950 -.3214
.953 -.2555

MACH (4) = 1.504 ALPHA (6) = 2.522 RUN = 122.000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0508 .4248
.020 .2261
.030 .0116
.048 .0076
.050 .1376
.065 -.0109
.150 .1789
.177 -.0712
.250 -.2651
.274 -.1467
.402 -.2020
.565 -.2548
.650 -.3460
.750 -.4636
.760 -.0474
.808 -.2777
.850 -.4628
.857 -.2737
.905 -.2750
.950 -.3285
.953 -.2595

IA70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7062) -

MACH (4) = 1.504 ALPHA (7) = 4.766 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0186	.4641
.020		.0690
.030	-.0265	
.048	-.0313	
.050		.0655
.085	-.0558	
.150		-.2358
.177	-.1117	
.250		-.3227
.274	-.1765	
.402	-.2259	
.565	-.2752	
.650		-.4010
.750		-.4912
.760	-.0775	
.808	-.2857	
.850		-.3932
.857	-.2731	
.905	-.2751	
.950		-.3594
.953	-.2622	

MACH (4) = 1.504 ALPHA (8) = 7.016 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0106	.4729
.020		-.0436
.030	-.0744	
.048	-.0709	
.050		-.0804
.085	-.1005	
.150		-.2962
.177	-.1494	
.250		-.3710
.274	-.2026	
.402	-.2479	
.565	-.2974	
.650		-.4484
.750		-.4922
.760	-.1090	
.808	-.3098	

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U62)

MACH (4) = 1.504 ALPHA (8) = 7.016

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4202
.857 -.2867
.905 -.2851
.950 -.3937
.953 -.2704

MACH (4) = 1.504 ALPHA (9) = 9.244 RUN = 122.000 RN/L = 7.422 BETA = -0.712

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0294 .5024
.020 -.0971
.030 -.1129
.048 -.1003
.050 -.1879
.085 -.1338
.150 -.3492
.177 -.1784
.250 -.4155
.274 -.2280
.402 -.2690
.565 -.3160
.650 -.4880
.750 -.4918
.760 -.1389
.808 -.3327
.850 -.4462
.857 -.3089
.905 -.3012
.950 -.4210
.953 -.2825

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WING UPPER SURFACE

(RF7U63) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 0.000 ELV-1 = -4.000
 ELV-2 = .000 ELV-3 = -4.000
 ELV-4 = -4.000 BDFLAP = .000
 ELV-1B = -2.000 ELV-CB = -4.000

MACH (1) = 1.504 ALPHA (1) = -9.008 RUN = 107.000 RN/L = 7.556 BETA = 0.708

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3686 .6070
 .020 .7582
 .030 .4812
 .048 .4533
 .050 .5845
 .065 .3135
 .150 .2325
 .177 .2122
 .250 .0750
 .274 .0224
 .402 -.0490
 .565 -.1221
 .650 -.1725
 .750 -.1631
 .760 .2562
 .808 .3651
 .850 .1385
 .857 .4042
 .905 .4335
 .950 .1629
 .953 .4455

MACH (1) = 1.504 ALPHA (2) = -6.723 RUN = 107.000 RN/L = 7.556 BETA = 0.708

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .6494
 .020 .7180
 .030 .4263
 .048 .3982
 .050 .5351
 .065 .2409
 .150 .1724
 .177 .1329
 .250 .0072

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TABULATED PRESSURE DATA - 1A70

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WING UPPER SURFACE

(RF7063)

MACH (1) = 1.504 ALPHA (2) = -8.723

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.274	-.0384
.402	-.1122
.565	-.1758
.650	-.2291
.750	-.2407
.760	.1556
.808	.2498
.850	.0288
.857	.3344
.905	.3876
.950	.0955
.953	.4060

MACH (1) = 1.504 ALPHA (3) = -4.469 RUN = 107,000 RN/L = 7.556 BETA = 8.708

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.4663	.6945
.020		.6784
.030	.3619	
.048	.3316	
.050		.4901
.085	.1653	
.150		.0951
.177	.0450	
.250		-.0634
.274	-.0966	
.402	-.1570	
.565	-.2211	
.650		-.2793
.750		-.2882
.760	.0741	
.808	.1408	
.850		-.1399
.857	.2423	
.905	.3278	
.950		.0291
.953	.3620	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7083)

MACH (1) = 1.504 ALPHA (4) = -2.249 RUN = 107,000 RN/L = 7.556 BETA = 8.708

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4869	.7352
.020		.6283
.030	.3013	
.048	.2728	
.050		.4439
.085	.0993	
.150		.0241
.177	-.0431	
.250		-.1240
.274	-.1373	
.402	-.2111	
.565	-.2812	
.680		-.3234
.750		-.3358
.760	.0136	
.808	.0473	
.850		-.2402
.857	.1358	
.905	.2477	
.950		-.0487
.953	.3122	

MACH (1) = 1.504 ALPHA (5) = .000 RUN = 107,000 RN/L = 7.556 BETA = 8.708

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.5029	.7728
.020		.5565
.030	.2424	
.048	.2156	
.050		.3829
.085	.0433	
.150		-.0392
.177	-.1066	
.250		-.1805
.274	-.2167	
.402	-.2785	
.565	-.2980	
.650		-.3679
.750		-.3803
.760	-.0473	
.808	-.0208	

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TABULATED PRESSURE DATA - IA7D

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IA7D OI T12 S1 P2 P8

WING UPPER SURFACE

(RF7063)

MACH (1) = 1.504 ALPHA (5) = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.030 .2949

.037 .0388

.005 .1558

.050 -.1427

.053 .2520

MACH (1) = 1.504 ALPHA (6) = 2.244 RUN = 107.000 RM/L = 7.556 BETA = 8.708

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .5242 .8048

.020 .4562

.030 .2064

.048 .1787

.050 .2967

.085 .0008

.150 -.1047

.177 -.1701

.250 -.2344

.274 -.2693

.402 -.3121

.565 -.3359

.650 -.4046

.750 -.4129

.760 -.1239

.808 -.0834

.850 -.3356

.837 -.0476

.905 .0629

.950 -.2460

.953 .1805

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU63)

MACH (1) = 1.504 ALPHA (7) = 4.489 RUN = 107.000 RN/L = 7.556 BETA = 6.708

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5548	.8431
.020		.3185
.030	.1600	
.048	.1308	
.050		.2563
.085	-.0422	
.150		-.1498
.177	-.2110	
.250		-.2753
.274	-.3037	
.402	-.3596	
.563	-.3639	
.650		-.4407
.750		-.4406
.760	-.2051	
.808	-.1375	
.850		-.3617
.857	-.1158	
.905	-.0258	
.950		-.2877
.953	.0921	

MACH (1) = 1.504 ALPHA (8) = 6.725 RUN = 107.000 RN/L = 7.556 BETA = 8.708

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5819	.8745
.020		.1962
.030	.1405	
.048	.1086	
.050		.1391
.085	-.0833	
.150		-.1886
.177	-.2447	
.250		-.3129
.274	-.3457	
.402	-.3924	
.565	-.3889	
.650		-.4597
.750		-.4569
.760	-.3014	
.808	-.1988	

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WING UPPER SURFACE

(RF7063)

MACH (1) = 1.504 ALPHA (8) = 6.725

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.850 .3748

.857 -.1641

.905 -.1090

.950 -.3171

.953 -.0032

MACH (1) = 1.504 ALPHA (9) = 8.983 RUN = 107.000 RN/L = 7.556 BETA = 6.706

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.000 .6370 .8757

.020 .0687

.030 .1415

.048 .1039

.050 -.0609

.065 -.0699

.150 -.2726

.177 -.2598

.250 -.3578

.274 -.3708

.402 -.4148

.585 -.4039

.650 -.4671

.750 -.4830

.760 -.3471

.808 -.2583

.850 -.4079

.857 -.2080

.905 -.1448

.950 -.3513

.953 -.0510

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WING UPPER SURFACE

(RFTU64) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 938.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = -4.000
 ELV-2 = .000 ELV-3 = -4.000
 ELV-4 = -4.000 BDFLAP = .000
 ELV-1B = -2.000 ELV-CB = -4.000

MACH (1) = 1.504 ALPHA (1) = -8.932 RUN = 106.000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1360 .2867
 .020 .5695
 .030 .3344
 .048 .3213
 .050 .4453
 .085 .2380
 .150 .1914
 .177 .1742
 .250 .0410
 .274 .0094
 .402 -.0644
 .565 -.1315
 .650 -.1481
 .750 .0363
 .760 .2364
 .808 .3218
 .850 .1731
 .857 .2861
 .905 .2912
 .950 .2100
 .955 .2996

MACH (1) = 1.504 ALPHA (2) = -8.675 RUN = 106.000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1778 .3436
 .020 .5512
 .030 .2689
 .048 .2721
 .050 .4039
 .085 .1745
 .150 .1271
 .177 .1105
 .250 -.0181

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RP7U64)

MACH (1) = 1.504 ALPHA (2) = -6.675

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.0429	
.402	-.1143	
.565	-.1605	
.650		-.2037
.750		-.1793
.760	.1736	
.808	.2592	
.850		.0815
.857	.2481	
.905	.2514	
.950		.1107
.953	.2623	

MACH (1) = 1.504 ALPHA (3) = -4.480 RUN = 108.000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2290	.4008
.020		.5221
.030	.2428	
.048	.2226	
.050		.3589
.085	.1105	
.150		.0575
.177	.0475	
.250		-.0768
.274	-.0947	
.402	-.1598	
.565	-.2224	
.650		-.2589
.750		-.2585
.760	.0841	
.808	.1829	
.850		-.0148
.857	.1987	
.905	.2103	
.950		.0295
.953	.2217	

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WING UPPER SURFACE

(RF7U64)

MACH (1) = 1.504 ALPHA (4) = -2.201 RUN = 106.000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2874	.4981
.020		.5008
.030	.2017	
.048	.1806	
.050		.3298
.085	.0519	
.150		-.0168
.177	-.0262	
.250		-.1468
.274	-.1439	
.402	-.2061	
.565	-.2659	
.650		-.3124
.750		-.3190
.760	.0186	
.808	.1108	
.850		-.1528
.857	.1587	
.905	.1899	
.950		-.0314
.953	.1998	

MACH (1) = 1.504 ALPHA (5) = .025 RUN = 106.000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3278	.5578
.020		.4374
.030	.1585	
.048	.1412	
.050		.2820
.085	.0058	
.150		-.0874
.177	-.0879	
.250		-.2092
.274	-.1890	
.402	-.2470	
.565	-.2993	
.650		-.3615
.750		-.3688
.760	-.0469	
.808	.0273	

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1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7U64)

MACH (1) = 1.504 ALPHA (5) = .025

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C
 .850 -.2198
 .857 .1046
 .905 .1567
 .950 -.1024
 .953 .1784

MACH (1) = 1.504 ALPHA (6) = 2.266 RUN = 106,000 RN/L = 7,600 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C
 .000 .3580 .6063
 .020 .3328
 .030 .1128
 .048 .0983
 .050 .2150
 .085 -.0394
 .150 -.1509
 .177 -.1487
 .250 -.2623
 .274 -.2336
 .402 -.2828
 .565 -.3256
 .650 -.4051
 .750 -.4131
 .760 -.0943
 .808 -.0493
 .850 -.2657
 .857 .0336
 .905 .1165
 .950 -.1451
 .953 .1587

1A70 Q1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7064)

MACH (1) = 1.504 ALPHA (7) = 4.489 RUN = 106,000 RN/L = 7,600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3228 .6456

.020 .1260

.030 .0430

.048 .0412

.050 .1300

.085 -.0945

.150 -.2141

.177 -.2105

.250 -.3171

.274 -.2635

.402 -.3211

.565 -.3501

.650 -.4448

.750 -.4513

.760 -.1805

.808 -.1100

.850 -.2682

.857 -.0453

.905 .0567

.950 -.1794

.953 .1241

MACH (1) = 1.504 ALPHA (8) = 6.735 RUN = 106,000 RN/L = 7,600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3230 .6592

.020 .0223

.030 -.0783

.048 -.0602

.050 -.0642

.085 -.1708

.150 -.2770

.177 -.2694

.250 -.3715

.274 -.3231

.402 -.3571

.565 -.3753

.650 -.4801

.750 -.4835

.760 -.2130

.808 -.1646

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WING UPPER SURFACE

(RF7U64)

MACH (1) = 1.504 ALPHA (8) = 6.735

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

BY/B .4360 .7710

X/C

.850 -.3151
.857 -.1134
.905 -.0038
.950 -.2169
.953 .0706

MACH (1) = 1.504 ALPHA (9) = 8.947 RUN = 106.000 RN/L = 7.600 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

BY/B .4360 .7710

X/C

.000 .3186 .6678
.020 -.0504
.030 -.1338
.048 -.1114
.050 -.1720
.085 -.2295
.150 -.3593
.177 -.3500
.250 -.4192
.274 -.3997
.402 -.3894
.565 -.4057
.650 -.5131
.750 -.5115
.760 -.2781
.808 -.2052
.860 -.4291
.857 -.1589
.905 -.0501
.950 -.2681
.953 .0100

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7065) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6600 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6600 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -8.000 ELV-1 = -4.000
 ELV-2 = .000 ELV-3 = -4.000
 ELV-4 = -4.000 BDFLAP = .000
 ELV-1B = -2.000 ELV-CB = -4.000

MACH (1) = 1.504 ALPHA (1) = -9.000 RUN = 105.000 RN/L = 7.569 BETA = -8.707

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

BY/B .4360 .7710

X/C

.000 .0530 .0119
 .020 .3784
 .030 .2396
 .048 .2405
 .050 .3212
 .065 .2056
 .150 .1606
 .177 .1569
 .250 .0541
 .274 .0192
 .402 -.0639
 .565 -.0730
 .650 -.0501
 .750 .0792
 .760 .1506
 .808 .3087
 .850 .2590
 .857 .2213
 .905 .1771
 .950 .3305
 .955 .1756

MACH (1) = 1.504 ALPHA (2) = -6.713 RUN = 105.000 RN/L = 7.569 BETA = -8.707

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

BY/B .4360 .7710

X/C

.000 .0352 .0562
 .020 .3667
 .030 .2033
 .048 .1959
 .050 .2699
 .065 .1363
 .150 .1151
 .177 .0972
 .250 .0143

DATE 07 NOV 74

TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING UPPER SURFACE

(RFTU65)

MACH (1) = 1.504 ALPHA (2) = -6.715

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0245	
.402	-.1054	
.565	-.1305	
.650		-.1116
.750		-.0311
.760	.0856	
.808	.2476	
.850		.1864
.857	.1968	
.905	.1588	
.950		.2751
.953	.1550	

MACH (1) = 1.504 ALPHA (3) = -4.485 RUN = 105.000 RM/L = 7.589 BETA = -6.707

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0167	.1862
.020		.3856
.030	.1545	
.048	.1592	
.050		.2709
.065	.0981	
.150		.0593
.177	.0582	
.250		-.0516
.274	-.0633	
.402	-.1322	
.565	-.1932	
.650		-.1784
.750		-.1032
.760	.0563	
.808	.1988	
.850		.0725
.857	.1729	
.905	.1465	
.950		.2107
.953	.1411	

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7065)

MACH (1) = 1.504 ALPHA (4) = -2.242 RUN = 105,000 RN/L = 7,589 BETA = -8.707

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0566 .2803

.020 .3647

.030 .0849

.040 .0888

.050 .2329

.060 .0764

.100 -.0129

.177 .0178

.250 -.1180

.274 -.0934

.402 -.1528

.565 -.1962

.650 -.2386

.750 -.1672

.760 .0404

.808 .1437

.850 .0085

.857 .1141

.905 .1150

.950 .1232

.953 .1155

MACH (1) = 1.504 ALPHA (5) = .017 RUN = 105,000 RN/L = 7,589 BETA = -8.707

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0692 .3651

.020 .3189

.030 .0508

.040 .0470

.050 .1898

.060 .0318

.100 -.0979

.177 -.0312

.250 -.1885

.274 -.1201

.402 -.1792

.565 -.2218

.650 -.2846

.750 -.2703

.760 .0290

.808 .0943

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WING UPPER SURFACE

(RF7085)

MACH (1) = 1.504 ALPHA (5) = .017

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.0372
.857 .0605
.905 .0674
.950 .0426
.953 .0762

MACH (1) = 1.504 ALPHA (6) = 2.285 RUN = 105.000 RN/L = 7.589 BETA = -8.707

SECTION (1) WING UPPER SURFACE.

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0534 .4259
.020 .2273
.030 .0116
.048 .0068
.050 .1369
.085 -.0126
.150 -.1795
.177 -.0721
.250 -.2632
.274 -.1474
.402 -.2024
.565 -.2557
.630 -.3388
.750 -.2917
.760 .0189
.808 .0695
.850 -.0869
.857 .0400
.905 .0463
.950 -.0646
.953 .0477

1A70 O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7065)

MACH (1) = 1.504 ALPHA (7) = 4.522 RUN = 105,000 RN/L = 7.589 BETA = -6.707

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4380 .7710

X/C

.000	.0240	.4650
.020		.0700
.030	-.0268	
.048	-.0299	
.050		.0663
.065	-.0557	
.150		-.2360
.177	-.1119	
.250		-.3204
.274	-.1769	
.402	-.2263	
.565	-.2762	
.650		-.3922
.750		-.2848
.760	-.0084	
.808	.0445	
.850		-.1477
.857	.0238	
.905	.0321	
.950		-.1262
.953	.0325	

MACH (1) = 1.504 ALPHA (6) = 6.757 RUN = 105,000 RN/L = 7.589 BETA = -6.707

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4380 .7710

X/C

.000	-.0059	.4745
.020		-.0424
.030	-.0719	
.048	-.0688	
.050		-.0771
.065	-.0993	
.150		-.2953
.177	-.1478	
.250		-.3670
.274	-.2019	
.402	-.2469	
.565	-.2971	
.650		-.4405
.750		-.2616
.760	-.0444	
.808	.0125	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING UPPER SURFACE

(RF7J65)

MACH (1) = 1.504 ALPHA (8) = 6.757

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2102

.857 -.0080

.855 .0090

.950 -.1889

.953 .0137

MACH (1) = 1.504 ALPHA (9) = 9.011 RUN = 105.000 RN/L = 7.589 BETA = -8.707

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0224 .5032

.020 -.0960

.030 -.1099

.048 -.0978

.050 -.1863

.085 -.1332

.150 -.3475

.177 -.1752

.250 -.4122

.274 -.2274

.402 -.2679

.565 -.3159

.650 -.4784

.750 -.3151

.760 -.0771

.808 -.0222

.850 -.2678

.857 -.0436

.905 -.0203

.950 -.2546

.953 -.0091

1A70 01 T12 S1 P2 P9

WING UPPER SURFACE

(RF7066) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 BDFLAP = .000
 ELV-1B = 0.000 ELV-CB = 8.000

MACH (1) = 1.200 ALPHA (1) = -8.564 RUN = 127.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1178 .1790
 .020 .3287
 .030 .3570
 .048 .3450
 .050 .4032
 .085 .3253
 .150 .1476
 .177 .1482
 .250 -.0384
 .274 -.0513
 .402 -.1070
 .565 .1467
 .650 .0136
 .750 -.3135
 .760 .0383
 .808 -.3133
 .850 -.3314
 .857 -.3138
 .905 -.2801
 .950 -.2016
 .953 -.1676

MACH (1) = 1.211 ALPHA (2) = -6.395 RUN = 127.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1938 .2943
 .020 .3112
 .030 .3291
 .048 .3084
 .050 .3538
 .085 .2514
 .150 .0843
 .177 .0942
 .250 -.1083

DATE 07 NOV 74

TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P9

WING UPPER SURFACE

(RF7066)

MACH (1) = 1.211 ALPHA (2) = -6.395

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.274	-.0825
.402	-.1716
.565	.1034
.650	.0113
.750	-.3110
.760	.0303
.808	-.3104
.850	-.3188
.857	-.3124
.905	-.2755
.950	-.1895
.953	-.2058

MACH (1) = 1.218 ALPHA (3) = -4.284 RUN = 127,000 RM/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.3306	.3705
.020		.4715
.030	.3231	
.048	.2845	
.050		.2968
.085	.1484	
.150		-.0177
.177	.0440	
.250		-.1936
.274	-.1330	
.402	-.2109	
.565	.0079	
.650		-.2008
.750		-.3461
.760	.0170	
.808	-.3153	
.850		-.2759
.857	-.3188	
.905	-.2853	
.950		-.1651
.953	-.2376	

1A70 O1 T12 S1 P2 P9

WING UPPER SURFACE

(RF7066)

MACH (1) = 1.222 ALPHA (4) = -2.073 RUN = 127,000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.3662	.4580
.020		.4301
.030	.2690	
.048	.2333	
.050		.2402
.085	.0677	
.150		-.1217
.177	-.0077	
.250		-.2697
.274	-.1753	
.402	-.2556	
.565	-.1727	
.650		-.4622
.750		-.5155
.760	.0038	
.808	-.3172	
.850		-.2855
.857	-.3237	
.905	-.2925	
.950		-.2036
.953	-.2591	

MACH (1) = 1.225 ALPHA (5) = .128 RUN = 127,000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.3999	.5284
.020		.3604
.030	.2090	
.048	.1783	
.050		.1799
.085	-.0001	
.150		-.2355
.177	-.0728	
.250		-.3499
.274	-.2526	
.402	-.3032	
.565	-.3489	
.650		-.5271
.750		-.6409
.760	-.0244	
.808	-.3184	

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TABULATED PRESSURE DATA - 1A70

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WING UPPER SURFACE

(RF7066)

MACH (1) = 1.225 ALPHA (5) = .128

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3523
.857 -.3207
.905 -.3008
.950 -.2586
.953 -.2719

MACH (1) = 1.218 ALPHA (6) = 2.342 RUN = 127.000 RNL = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4081 .5796
.020 .2514
.030 .1235
.048 .1066
.050 .0886
.085 -.0854
.150 -.3637
.177 -.1619
.250 -.4577
.274 -.3115
.402 -.3572
.565 -.4137
.650 -.5928
.750 -.6930
.760 -.0690
.808 -.3183
.850 -.4081
.857 -.3254
.905 -.3115
.950 -.3340
.953 -.2864

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P9

WING UPPER SURFACE

(RF7066)

MACH (1) = 1.210 ALPHA (7) = 4.522 RUN = 127.000 RN/L = 7.100 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3697 .5943

.020 .0265

.030 .0130

.048 .0139

.050 -.0063

.065 -.1681

.150 -.4410

.177 -.2573

.250 -.5363

.274 -.3657

.402 -.4100

.565 -.4524

.650 -.6631

.750 -.7374

.760 -.1401

.808 -.3312

.850 -.4455

.857 -.3352

.905 -.3228

.950 -.3991

.953 -.2989

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P9

WING UPPER SURFACE

(RF7U67) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.6100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = 1.195 ALPHA (1) = -3.786 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1269 .1712
 .020 .5267
 .030 .3675
 .048 .3540
 .050 .3987
 .085 .3308
 .150 .1472
 .177 .1473
 .250 -.0418
 .274 -.0523
 .402 -.0965
 .565 .1422
 .650 .0135
 .750 -.0374
 .760 .0575
 .808 .0115
 .850 -.1657
 .857 .0546
 .908 .1571
 .950 .0908
 .953 .2110

MACH (1) = 1.207 ALPHA (2) = -6.546 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2147 .2895
 .020 .5075
 .030 .3389
 .048 .5131
 .050 .3454
 .085 .2472
 .150 .0632
 .177 .1010
 .250 -.1043

1A70 01 T12 S1 P2 P9

WING UPPER SURFACE

(RF7057)

MACH (1) = 1.207 ALPHA (2) = -6.546

SECTION (1) WING UPPER SURFACE

— DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0881	
.402	-.1747	
.565	.0898	
.650		.0039
.750		-.0301
.760	.0498	
.808	.0038	
.850		-.1233
.857	.0147	
.905	.0664	
.950		.0992
.953	.1514	

MACH (1) = 1.215 ALPHA (3) = -4.333 RUN = 146,000 RN/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3300	.3722
.020		.4737
.030	.3092	
.048	.2727	
.050		.2953
.085	.1394	
.150		-.0227
.177	.0372	
.250		-.1974
.274	-.1399	
.402	-.2200	
.565	.0076	
.650		-.1982
.750		-.0916
.760	.0364	
.808	-.0057	
.850		-.0360
.857	-.0020	
.905	.0078	
.950		.0661
.953	.0788	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P9

WING UPPER SURFACE

(RF7067)

MACH (1) = 1.219 ALPHA (4) = -2.122 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3766	.4565
.020		.4262
.030	.2672	
.048	.2272	
.050		.2355
.085	.0600	
.150		-.1266
.177	-.0185	
.250		-.2766
.274	-.1863	
.402	-.2571	
.565	-.1709	
.650		-.4529
.750		-.3262
.760	.0274	
.808	-.0129	
.850		-.1405
.857	-.0216	
.903	-.0220	
.950		.0121
.953	.0196	

MACH (1) = 1.222 ALPHA (5) = .089 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3958	.5252
.020		.3553
.030	.2024	
.048	.1755	
.050		.1780
.085	-.0043	
.150		-.2426
.177	-.0793	
.250		-.3578
.274	-.2497	
.402	-.3080	
.565	-.3544	
.650		-.5277
.750		-.3022
.760	.0051	
.808	-.0252	

1A70 O1 T12 S1 P2 P9

WING UPPER SURFACE

(RF7067)

MACH (1) = 1.222 ALPHA (5) = .089

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1868

.837 -.0401

.903 -.0385

.950 -.1506

.953 -.0126

MACH (1) = 1.215 ALPHA (6) = 2.297 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4012 .5751

.020 .2461

.030 .1138

.040 .1010

.050 .0866

.085 -.0888

.150 -.3677

.177 -.1679

.250 -.4623

.274 -.3098

.402 -.3609

.565 -.4189

.650 -.5943

.750 -.3321

.760 -.0299

.808 -.0428

.850 -.2339

.857 -.0557

.903 -.0331

.950 -.2342

.953 -.0446

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P9 WING UPPER SURFACE (RF7067)
 MACH (1) = 1.206 ALPHA (7) = 4.494 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3736 .5900
 .020 .0202
 .030 .0082
 .048 .0107
 .050 -.0096
 .085 -.1773
 .150 -.4406
 .177 -.2610
 .250 -.5374
 .274 -.3722
 .402 -.4076
 .565 -.4609
 .650 -.6616
 .750 -.3805
 .760 -.0980
 .808 -.0773
 .850 -.2763
 .857 -.0737
 .905 -.0675
 .950 -.2844
 .953 -.0574

MACH (1) = 1.198 ALPHA (8) = 6.704 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3192 .6142
 .020 -.1643
 .030 -.0962
 .048 -.0921
 .050 -.2254
 .085 -.2589
 .150 -.5074
 .177 -.3426
 .250 -.6055
 .274 -.4223
 .402 -.4433
 .565 -.5019
 .650 -.7326
 .750 -.4971
 .760 -.1536
 .808 -.1127

1A70 01 T12 S1 P2 P9

WING UPPER SURFACE

(RF7087)

MACH (1) = 1.198 ALPHA (8) = 6.704

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.3893
.837	-.1000	
.903	-.0852	
.950		-.3974
.953	-.0785	

MACH (1) = 1.189 ALPHA (9) = 6.907 RUN = 146.000 R/V/L = 7.156 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2088	.8052
.020		-.2870
.030	-.2291	
.048	-.2079	
.050		-.4097
.085	-.3632	
.150		-.6149
.177	-.4423	
.250		-.6755
.274	-.4677	
.402	-.4901	
.565	-.5353	
.650		-.7799
.750		-.6255
.760	-.1976	
.808	-.1501	
.850		-.5070
.857	-.1334	
.903	-.1277	
.950		-.4770
.953	-.1168	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P10

WING UPPER SURFACE

(RF7088) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-18 = .000 ELV-C8 = .000

MACH (1) = 1.199 ALPHA (1) = -8.828 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1392 .1740
 .020 .5306
 .030 .3726
 .040 .3609
 .050 .4029
 .060 .3404
 .100 .1513
 .177 .1521
 .250 -.0366
 .274 -.0541
 .402 -.1019
 .565 .1435
 .650 .0174
 .750 -.0294
 .760 .0614
 .800 .0118
 .850 -.1567
 .857 .0472
 .905 .1554
 .950 .0987
 .955 .2179

MACH (1) = 1.212 ALPHA (2) = -6.591 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2245 .2940
 .020 .5125
 .030 .3386
 .040 .3165
 .050 .3526
 .060 .2595
 .100 .0659
 .177 .1100
 .250 -.1086

1A70 O1 T12 S1 P2 P10

WING UPPER SURFACE

(RF7U68)

MACH (1) = 1.212 ALPHA (2) = -6.591

SECTION (1) WING UPPER SURFACE ----- DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.274	-.0869	
.402	-.1693	
.565	.0994	
.650		.0140
.750		-.0237
.760	.0347	
.808	.0075	
.850		-.1202
.857	.0182	
.905	.0620	
.950		.1048
.953	.1511	

MACH (1) = 1.218 ALPHA (3) = -4.411 RUN = 147,000 RN/L = 7.125 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3570	.3729
.020		.4715
.030	.3326	
.048	.2937	
.050		.2932
.085	.1558	
.150		-.0216
.177	.0468	
.250		-.1972
.274	-.1370	
.402	-.2167	
.565	.0058	
.650		-.2098
.750		-.0985
.760	.0411	
.808	-.0058	
.850		-.0278
.857	-.0061	
.905	.0073	
.950		.0940
.953	.0801	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P10 WING UPPER SURFACE (RF7066)

MACH (1) = 1.223 ALPHA (4) = -2.190 RUN = 147,000 RN/L = 7.125 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3949	.4626
.020		.4280
.030	.2814	
.048	.2426	
.050		.2383
.085	.0736	
.150		-.1238
.177	-.0062	
.250		-.2718
.274	-.1820	
.402	-.2578	
.565	-.1760	
.650		-.4567
.750		-.2203
.760	.0296	
.808	-.0141	
.850		-.1404
.857	-.0241	
.905	-.0189	
.950		.0057
.953	.0188	

MACH (1) = 1.225 ALPHA (5) = .015 RUN = 147,000 RN/L = 7.125 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4217	.5266
.020		.3566
.030	.2185	
.048	.1888	
.050		.1789
.085	.0025	
.150		-.2418
.177	-.0893	
.250		-.3528
.274	-.2539	
.402	-.3066	
.565	-.3560	
.650		-.5306
.750		-.3156
.760	.0065	
.808	-.0232	

1A70 O1 T12 S1 P2 P10

WING UPPER SURFACE

(RF7000)

MACH (1) = 1.225 ALPHA (5) = .015

SECTION (1) WING UPPER SURFACE --- --- DEPENDENT-VARIABLE CP -

ZY/B .4360 .7710

X/C

.850	-.1873
.857	-.0369
.905	-.0379
.950	-.1484
.953	-.0155

MACH (1) = 1.220 ALPHA (6) = 2.237 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4151	.5830
.020		.2471
.030	.1331	
.048	.1192	
.050		.0892
.085	-.0816	
.150		-.3657
.177	-.1620	
.250		-.4587
.274	-.3109	
.402	-.3566	
.565	-.4196	
.650		-.5868
.750		-.3455
.760	-.0331	
.808	-.0408	
.850		-.2365
.857	-.0520	
.905	-.0513	
.950		-.2335
.953	-.0394	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P10 WING UPPER SURFACE (RP7088)
 MACH (1) = 1.210 ALPHA (7) = 4.432 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3765 .5929
 .020 .0150
 .030 .0130
 .046 .0159
 .050 -.0062
 .065 -.1666
 .150 -.4396
 .177 -.2517
 .250 -.5376
 .274 -.3677
 .402 -.4117
 .565 -.4579
 .650 -.6657
 .750 -.3679
 .760 -.0954
 .806 -.0742
 .850 -.2803
 .857 -.0709
 .905 -.0639
 .950 -.2850
 .953 -.0547

MACH (1) = 1.203 ALPHA (6) = 6.649 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3306 .6142
 .020 -.1663
 .030 -.0631
 .046 -.0786
 .050 -.2362
 .065 -.2516
 .150 -.5057
 .177 -.3462
 .250 -.6021
 .274 -.4174
 .402 -.4512
 .565 -.4942
 .650 -.7516
 .750 -.5126
 .760 -.1601
 .806 -.1130

1A70 01 T12 S1 P2 P10

WING UPPER SURFACE

(RF7068)

MACH (1) = 1.203 ALPHA (0) = 6.649

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3816

.857 -.0947

.905 -.0819

.950 -.3949

.953 -.0739

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = :0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 8.000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-18 = .000 ELV-C8 = .000

MACH (1) = .900 ALPHA (1) = -8.661 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2744 .1966
 .020 -1.0411
 .030 -.3461
 .048 -.2527
 .050 -1.0134
 .085 -.3522
 .150 -.5231
 .177 -.1970
 .250 -.5251
 .274 -.1194
 .402 .0507
 .565 .0702
 .650 -.3040
 .750 -.5375
 .760 -.6632
 .808 -.8778
 .850 -.7516
 .857 -.3931
 .905 -.3180
 .950 -.1930
 .953 -.2661

MACH (1) = .899 ALPHA (2) = -6.490 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3753 .3319
 .020 -.8316
 .030 -.1750
 .048 -.1362
 .050 -.6846
 .083 -.1994
 .150 -.2214
 .177 -.1050
 .250 -.2031

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (1) = .699 ALPHA (2) = -6.490

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0441
.402	.0908
.565	.0877
.650	-.3366
.750	-.5525
.760	-.6571
.808	-.8707
.850	-.7627
.857	-.3878
.905	-.3074
.950	-.2010
.953	-.2492

MACH (1) = .699 ALPHA (3) = -4.341 RUN = 137.000 RN/L = 5.989 BETA = 0.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4473	.4571
.020		-.8062
.030	-.0235	
.048	-.0184	
.050		-.4846
.085	-.0808	
.150		-.0818
.177	-.0267	
.250		-.0653
.274	.0193	
.402	.1262	
.565	.1024	
.650		-.3395
.750		-.5717
.760	-.6548	
.808	-.8631	
.850		-.5960
.857	-.3757	
.905	-.2944	
.950		-.1915
.953	-.2278	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RFTL43)
 MACH (1) = .897 ALPHA (4) = -2.173 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4894 .5580
 .020 .3772
 .030 .1128
 .048 .0926
 .050 -.2106
 .085 .0241
 .150 -.0242
 .177 .0439
 .250 -.0043
 .274 .0732
 .402 .1532
 .565 .1104
 .650 -.3391
 .750 -.5795
 .760 -.6525
 .808 -.8798
 .850 -.3936
 .857 -.3582
 .905 -.2671
 .950 -.1790
 .953 -.1975

MACH (1) = .898 ALPHA (5) = -.009 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5027 .6148
 .020 -.0436
 .030 .2282
 .048 .1911
 .050 -.0098
 .085 .1160
 .150 .0266
 .177 .1101
 .250 .0517
 .274 .1236
 .402 .1852
 .565 .1231
 .650 -.3291
 .750 -.5596
 .760 -.6365
 .808 -.8591

1A70 .01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (1) = .898 ALPHA (3) = -.009

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.890	-.4680
.857	-.3408
.905	-.2541
.950	-.1629
.953	-.1907

MACH (1) = .898 ALPHA (6) = 2.153 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4918	.8287
.020		.1901
.030	.3251	
.048	.2779	
.050		.1497
.085	.1980	
.150		.0878
.177	.1695	
.250		.1033
.274	.1693	
.402	.2123	
.565	.1354	
.650		-.3074
.750		-.5290
.760	-.8191	
.808	-.8541	
.850		-.8319
.857	-.3371	
.905	-.2474	
.950		-.1788
.953	-.1888	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (1) = .900 ALPHA (7) = 4.308 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4630	.6004
.020		.3614
.030	.4008	
.048	.3476	
.050		.2755
.065	.2635	
.150		.1070
.177	.2177	
.250		.1501
.274	.2049	
.402	.2312	
.565	.1427	
.650		-.2845
.750		-.5046
.760	-.6028	
.808	-.8485	
.850		-.7346
.857	-.3670	
.905	-.2676	
.950		-.3234
.953	-.2062	

MACH (1) = .900 ALPHA (8) = 6.469 RUN = 137.000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4236	.5457
.020		.4848
.030	.4582	
.048	.4013	
.050		.3780
.065	.3132	
.150		.1399
.177	.2525	
.250		.1937
.274	.2294	
.402	.2396	
.565	.1401	
.650		-.2633
.750		-.4820
.760	-.5906	
.808	-.8268	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (1) = .900 ALPHA (8) = 8.469

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.850		-.7119
.857	-.4618	
.905	-.2826	
.950		-.6912
.953	-.2022	

MACH (1) = .899 ALPHA (9) = 8.641 RUN = 137,000 RN/L = 5.989 BETA = 8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4163	.4973
.020		.5759
.030	.4970	
.048	.4345	
.050		.4606
.085	.3359	
.150		.1680
.177	.2654	
.250		.2321
.274	.2372	
.402	.2348	
.565	.1275	
.650		-.2421
.750		-.4541
.760	-.5819	
.808	-.8174	
.850		-.6758
.857	-.6084	
.905	-.3082	
.950		-.7961
.953	-.1996	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P5

WING LOWER SURFACE

(RF7L43)

MACH (2) = 1.079 ALPHA (1) = -8.897 RUN = 145.000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3369	.3749
.020		-.9310
.030	-.2396	
.048	-.1928	
.050		-.9669
.085	-.2173	
.150		-.5015
.177	-.1743	
.250		-.7498
.274	-.1097	
.402	-.1969	
.565	.2261	
.650		-.0843
.750		-.2319
.760	-.3532	
.808	-.5735	
.850		-.4150
.857	-.7359	
.905	-.8152	
.950		-.5722
.953	-.5591	

MACH (2) = 1.095 ALPHA (2) = -6.617 RUN = 145.000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4484	.4723
.020		-.8326
.030	-.0657	
.048	-.0466	
.050		-.8538
.085	-.0890	
.150		-.4102
.177	-.1049	
.250		-.1883
.274	-.0411	
.402	.1108	
.565	.2789	
.650		-.0414
.750		-.2129
.760	-.3115	
.808	-.5329	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (2) = 1.095 ALPHA (2) = -0.617

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.3990

.057 -.6960

.065 -.8160

.090 -.5441

.093 -.5486

MACH (2) = 1.105 ALPHA (3) = -4.409 RUN = 145.000 RN/L = 6.678 BETA = 6.640

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5115 .5572

.020 -.7113

.030 .0392

.048 .0638

.050 -.7181

.085 -.0240

.150 -.2044

.177 -.0266

.250 .1516

.274 .0094

.402 .2451

.565 .3201

.650 -.0228

.750 -.2032

.760 -.2786

.808 -.5037

.850 -.3920

.857 -.6660

.905 -.7894

.950 -.5073

.953 -.5468

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1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (2) = 1.113 ALPHA (4) = -2.200 RUN = 145.000 RN/L = 0.678 BETA = 0.640

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5553	.6367
.020		-.5260
.030	.1670	
.040	.1585	
.050		-.4140
.065	.0356	
.150		.0663
.177	.0575	
.250		.1008
.274	.1411	
.402	.3094	
.565	.3454	
.650		-.0116
.750		-.1849
.760	-.2577	
.808	-.4827	
.850		-.5860
.857	-.6465	
.905	-.7702	
.950		-.5468
.953	-.5352	

MACH (2) = 1.110 ALPHA (5) = .010 RUN = 145.000 RN/L = 0.678 BETA = 0.640

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5729	.7267
.020		.0140
.030	.2844	
.040	.2516	
.050		.1069
.065	.1560	
.150		.1211
.177	.1687	
.250		.2469
.274	.2208	
.402	.3442	
.565	.3561	
.650		-.0102
.750		-.1627
.760	-.2569	
.808	-.4859	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (2) = 1.110 ALPHA (5) = .010

SECTION (1) WING LOWER SURFACE - - - - - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.030 -.3921

.057 -.6465

.095 -.7723

.950 -.5554

.953 -.5252

MACH (2) = 1.104 ALPHA (6) = 2.227 RUN = 145,000 RN/L = 6.675 BETA = 8.640

SECTION (1) WING LOWER SURFACE - - - - - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5624 .7550

.020 .3110

.030 .3866

.048 .3442

.050 .2923

.085 .2628

.130 .1618

.177 .2542

.250 .2986

.274 .2852

.402 .3750

.565 .3660

.650 -.0085

.750 -.1838

.760 -.2594

.808 -.4848

.850 -.3977

.857 -.6543

.905 -.7761

.950 -.5619

.953 -.5212

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (2) = 1.086 ALPHA (7) = 4.426 RUN = 145.000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5253	.7264
.020		.4969
.030	.4610	
.048	.4158	
.050		.4293
.085	.3413	
.150		.1934
.177	.3189	
.250		.3417
.274	.3338	
.402	.4021	
.565	.3752	
.650		-.0034
.750		-.1841
.760	-.2609	
.808	-.4872	
.850		-.4012
.857	-.6601	
.905	-.7779	
.950		-.5688
.953	-.5238	

MACH (2) = 1.086 ALPHA (8) = 6.641 RUN = 145.000 RN/L = 6.678 BETA = 8.640

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4594	.6989
.020		.6095
.030	.5311	
.048	.4838	
.050		.5188
.085	.4030	
.150		.2124
.177	.3521	
.250		.3698
.274	.3500	
.402	.3992	
.565	.3615	
.650		-.0053
.750		-.1881
.760	-.2722	
.808	-.4841	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (2) = 1.088 ALPHA (6) = 6.641

SECTION (1) WING LOWER SURFACE----- DEPENDENT VARIABLE CP---

2Y/B .4360 .7710

X/C

.850		-.4082
.857	-.6857	
.905	-.7748	
.950		-.5734
.953	-.5140	

MACH (2) = 1.077 ALPHA (9) = 8.850 RUN = 145,000 RN/L = 6,678 BETA = 6.640

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4644	.6581
.020		.6970
.030	.5821	
.048	.5269	
.050		.5951
.085	.4312	
.150		.2287
.177	.3632	
.250		.3947
.274	.3508	
.402	.3813	
.565	.3329	
.650		-.0077
.750		-.1918
.760	-.2807	
.808	-.4945	
.850		-.4121
.857	-.6672	
.905	-.7825	
.950		-.5770
.953	-.5081	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L43)
 MACH (3) = 1.189 ALPHA (1) = -8.822 RUN = 76.000 RM/L = 7.178 BETA = 8.665

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3308 .4457
 .020 -.7513
 .030 -.2451
 .048 -.2023
 .050 -.7862
 .085 -.2260
 .150 -.4238
 .177 -.0203
 .250 -.6530
 .274 -.0275
 .402 -.1195
 .565 .2846
 .650 .0414
 .750 -.0753
 .760 -.2331
 .808 -.4339
 .850 -.2871
 .857 -.5494
 .905 -.0562
 .950 -.4191
 .953 -.7526

MACH (3) = 1.199 ALPHA (2) = -8.649 RUN = 76.000 RM/L = 7.178 BETA = 8.665

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3831 .5250
 .020 -.6939
 .030 -.1815
 .048 -.1450
 .050 -.7058
 .085 -.1808
 .150 -.3667
 .177 -.0005
 .250 -.4490
 .274 .0196
 .402 -.0670
 .565 .3350
 .650 .0789
 .750 -.0888
 .760 -.2068
 .808 -.4108

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (3) = 1.199 ALPHA (2) = -6.649

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	- .2538
.857	- .5246
.903	- .6432
.950	- .4208
.953	- .7297

MACH (3) = 1.206 ALPHA (3) = -4.433 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4237	.6127
.020		- .5791
.030	- .0847	
.048	- .0939	
.050		- .5934
.085	- .0453	
.150		- .2835
.177	.1092	
.250		- .1812
.274	.0627	
.402	.0951	
.565	.3733	
.650		.0880
.750		- .0661
.780	- .1847	
.808	- .3906	
.890		- .2497
.857	- .5061	
.905	- .6266	
.950		- .4196
.953	- .7130	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (3) = 1.209 ALPHA (4) = -2.244 RUN = 75.000 RN/L = 7.178 BETA = 8.663

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4645 .8818

.020 .4566

.030 .0204

.040 .0024

.050 -.4343

.065 .0474

.150 -.0756

.177 .0963

.250 .1518

.274 .0924

.402 .2976

.565 .4004

.650 .0953

.750 -.0662

.760 -.1651

.808 -.3720

.850 -.2544

.857 -.4919

.905 -.6154

.950 -.4250

.953 -.7009

MACH (3) = 1.207 ALPHA (5) = -.006 RUN = 76.000 RN/L = 7.178 BETA = 8.663

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4979 .7249

.020 -.2402

.030 .2362

.040 .2534

.050 -.1318

.065 .1486

.150 .1286

.177 .1738

.250 .2897

.274 .1508

.402 .3715

.565 .4215

.650 .0642

.750 -.0711

.760 -.1546

.808 -.3665

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (3) = 1.207 ALPHA (5) = -.006

SECTION (1) WING LOWER SURFACE _____ DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.2647
.857	-.4864	
.905	-.6118	
.950		-.4346
.953	-.6992	

MACH (3) = 1.202 ALPHA (6) = 2.211 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING LOWER SURFACE _____ DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5510	.7834
.020		.2322
.030	.3464	
.048	.3181	
.050		.2557
.085	.1940	
.150		.1545
.177	.2114	
.250		.3435
.274	.2729	
.402	.4134	
.565	.4421	
.650		.0883
.750		-.0695
.760	-.1496	
.808	-.3661	
.850		-.2669
.857	-.4874	
.905	-.6131	
.950		-.4379
.953	-.7021	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (3) = 1.196 ALPHA (7) = 4.443 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5311 .7979

.020 .4810

.030 .4358

.048 .4038

.050 .4361

.085 .3308

.150 .1989

.177 .3110

.250 .4009

.274 .3508

.402 .4496

.565 .4578

.650 .0980

.750 -.0639

.760 -.1458

.808 -.3624

.850 -.2654

.857 -.4866

.905 -.6131

.950 -.4379

.955 -.7031

MACH (3) = 1.185 ALPHA (8) = 6.649 RUN = 76.000 RN/L = 7.178 BETA = 8.665

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5316 .7783

.020 .6164

.030 .5333

.048 .4872

.050 .5407

.085 .4010

.150 .2192

.177 .3592

.250 .4272

.274 .3792

.402 .4495

.565 .4449

.650 .0914

.750 -.0730

.760 -.1576

.808 -.3758

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE.

(RF7L43)

MACH (3) = 1.185 ALPHA (8) = 6.649

SECTION (1) WING LOWER SURFACE --- -- -- DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2749

.857 -.4953

.905 -.6184

.950 -.4437

.953 -.7073

MACH (3) = 1.171 ALPHA (9) = 6.857 RUN = 76.000 RN/L = 7.178 BETA = 6.665

SECTION (1) WING LOWER SURFACE --- -- -- DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5510 .7441

.020 .7059

.030 .5846

.040 .5267

.050 .6106

.065 .4190

.150 .2307

.177 .3585

.250 .4447

.274 .3682

.402 .4129

.565 .3965

.650 .0813

.750 -.0859

.760 -.1779

.808 -.3898

.850 -.2867

.857 -.5049

.905 -.6129

.950 -.4497

.953 -.6934

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL43)

MACH (4) = 1.504 ALPHA (1) = -6.933 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3729	.6124
.020		-.4142
.030	-.0593	
.048	-.0867	
.050		-.4482
.085	-.1263	
.150		-.2193
.177	-.1076	
.250		-.3764
.274	-.0979	
.402	.0596	
.565	.2186	
.650		-.1282
.750		.0190
.760	.0596	
.808	-.1002	
.850		.0562
.857	-.2407	
.905	-.3455	
.950		-.1076
.953	-.4192	

MACH (4) = 1.504 ALPHA (2) = -6.635 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4207	.6333
.020		-.3726
.030	-.0125	
.048	-.0247	
.050		-.3975
.085	-.0942	
.150		-.1896
.177	-.0941	
.250		-.3200
.274	-.0949	
.402	.0490	
.565	.2435	
.650		-.0234
.750		.0566
.760	.0665	
.808	-.0869	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL43)

MACH (4) = 1.804 ALPHA (2) = -6.685

SECTION (1) WING LOWER SURFACE

DEPENDENT-VARIABLE-CP

RY/B .4360 .7710

X/C

.850 .0149

.857 -.2303

.905 -.3377

.950 -.1257

.955 -.4136

MACH (4) = 1.804 ALPHA (3) = -4.363 RUN = 117.000 RN/L = 7.469 BETA = 8.715

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4795 .7028

.020 -.3066

.030 .0435

.048 .0136

.050 -.3306

.065 -.0545

.150 -.1563

.177 -.0774

.250 -.2556

.274 -.0754

.402 .0620

.565 .2999

.650 .0971

.750 .1132

.760 .0766

.806 -.0803

.850 .0172

.857 -.2223

.905 -.3323

.950 -.1336

.955 -.4064

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (4) = 1.504 ALPHA (4) = -2.144 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4981	.7410
.020		-.2364
.030	.0853	
.048	.0511	
.050		-.2586
.085	.0789	
.150		-.1164
.177	-.0521	
.250		-.1506
.274	-.0436	
.402	.0831	
.565	.3976	
.650		.2262
.750		.1831
.760	.0933	
.808	-.0625	
.850		.0328
.857	-.2097	
.905	-.3220	
.950		-.1284
.953	-.3991	

MACH (4) = 1.504 ALPHA (5) = .133 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.5115	.7784
.020		-.1475
.030	.1418	
.048	.1210	
.050		-.1468
.085	.0987	
.150		-.0379
.177	.0494	
.250		-.0354
.274	.0517	
.402	.1407	
.565	.5130	
.650		.3308
.750		.1918
.760	.1053	
.808	-.0506	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (4) = 1.504 ALPHA (5) = .133

SECTION (1) WING LOWER SURFACE

DEPENDENT-VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .0183

.837 -.1995

.905 -.3138

.950 -.1366

.953 -.3922

MACH (.4) = 1.504 ALPHA (6) = 2.368 RUN = 117.000 RN/L = 7.489 BETA = 6.715

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3302 .8082

.020 -.0176

.030 .2540

.048 .2324

.050 .0066

.085 .1255

.150 .0405

.177 .1183

.250 .0775

.274 .1104

.402 .2094

.565 .5781

.650 .3416

.750 .2034

.760 .1226

.808 -.0327

.850 .0160

.857 -.1847

.905 -.3028

.950 -.1391

.953 -.3821

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RFTL43)
 MACH (4) = 1.504 ALPHA (7) = 4.623 RUN = 117,000 RN/L = 7.489 BETA = 6.715

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5608 .8475
 .020 .1950
 .030 .3304
 .048 .2793
 .050 .2128
 .085 .1752
 .150 .0641
 .177 .1613
 .250 .2803
 .274 .1593
 .402 .3093
 .565 .6196
 .650 .3322
 .750 .2009
 .760 .1416
 .808 -.0152
 .850 .0103
 .857 -.1704
 .905 -.2898
 .950 -.1416
 .953 -.3701

MACH (4) = 1.504 ALPHA (8) = 6.951 RUN = 117,000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5899 .8785
 .020 .4269
 .030 .3523
 .048 .3308
 .050 .4048
 .085 .2270
 .150 .2273
 .177 .2150
 .250 .5619
 .274 .4421
 .402 .4767
 .565 .6136
 .650 .3157
 .750 .1883
 .760 .1344
 .808 -.0248

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L43)

MACH (4) = 1.504 ALPHA (8) = 6.851

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .0018

.857 -.1732

.905 -.2911

.950 -.1481

.953 -.3704

MACH (4) = 1.504 ALPHA (9) = 9.130 RUN = 117.000 RN/L = 7.489 BETA = 8.715

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .6453 .8777

.020 .6919

.030 .4481

.048 .4086

.050 .6155

.085 .3241

.150 .3069

.177 .3930

.250 .5543

.274 .3213

.402 .4859

.565 .5345

.650 .2886

.750 .1643

.780 .1061

.808 -.0385

.850 -.0088

.857 -.1786

.905 -.2853

.950 -.1510

.953 -.3556

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 8690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.6100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 4.000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BOFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = .900 ALPHA (1) = -8.596 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1765 .0540
 .020 -1.0977
 .030 -.4030
 .048 -.3094
 .050 -1.0849
 .065 -.3728
 .150 -.5838
 .177 -.2479
 .250 -.9005
 .274 -.1917
 .402 -.0224
 .565 .0048
 .650 -.3457
 .750 -.5971
 .760 -.6899
 .808 -.8601
 .850 -.7681
 .857 -.4204
 .905 -.3762
 .950 -.2604
 .953 -.3344

MACH (1) = .898 ALPHA (2) = -6.423 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2900 .1958
 .020 -1.0236
 .030 -.2452
 .048 -.1901
 .050 -.9964
 .065 -.2371
 .150 -.4369
 .177 -.1642
 .250 -.0098

1A70 O1 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L44)

MACH (1) = .896 ALPHA (2) = -3.423

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.274	-.1141
.402	.0237
.565	.0291
.650	-.3601
.750	-.6013
.760	-.6744
.808	-.8677
.850	-.5032
.857	-.4062
.905	-.3361
.950	-.2623
.953	-.2636

MACH (1) = .896 ALPHA (3) = -4.269 RUN = 136.000 RIN/L = 5.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3718	.3273
.020		-.8892
.030	-.0977	
.048	-.0817	
.050		-.6281
.085	-.1406	
.150		-.1375
.177	-.0876	
.250		-.1118
.274	-.0467	
.402	.0612	
.565	.0461	
.650		-.3642
.750		-.6157
.760	-.6616	
.808	-.8566	
.850		-.5929
.857	-.3635	
.905	-.3059	
.950		-.2157
.953	-.2516	

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1A7D Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L44)

MACH (1) = .896 ALPHA (4) = -2.121 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4275	.4512
.020		-.5458
.030	.0368	
.048	.0272	
.050		-.2628
.085	-.0367	
.150		-.0589
.177	-.0166	
.250		-.0524
.274	.0088	
.402	.0928	
.565	.0594	
.650		-.3820
.750		-.6198
.760	-.6596	
.808	-.8508	
.850		-.3964
.857	-.3751	
.905	-.2886	
.950		-.2155
.953	-.2285	

MACH (1) = .897 ALPHA (5) = .023 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4523	.5302
.020		-.1663
.030	.1552	
.048	.1243	
.050		-.1037
.085	.0534	
.150		-.0063
.177	.0473	
.250		.0043
.274	.0592	
.402	.1220	
.565	.0710	
.650		-.3733
.750		-.5885
.760	-.6535	
.808	-.8470	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (1) = .897 ALPHA (5) = .023

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.4984
.857	-.3585	
.905	-.2740	
.950		-.1977
.953	-.2171	

MACH (1) = .898 ALPHA (6) = 2.135 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4480	.5576
.020		.0873
.030	.2555	
.048	.2122	
.050		.0669
.065	.1367	
.150		.0361
.177	.1079	
.250		.0556
.274	.1054	
.402	.1463	
.565	.0794	
.650		-.3512
.750		-.5734
.760	-.6343	
.808	-.8300	
.850		-.5562
.857	-.3578	
.905	-.2564	
.950		-.1928
.953	-.1948	

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TABULATED PRESSURE DATA - IA7D

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IA7D O1 T12 S1 P2 P3 WING LOWER SURFACE (RF7L44)

MACH (1) = .898 ALPHA (7) = 4.306 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4203	.5389
.020		.2755
.030	.3392	
.048	.2888	
.050		.2068
.085	.2092	
.150		.0774
.177	.1628	
.250		.1023
.274	.1482	
.402	.1723	
.585	.0824	
.650		-.3311
.750		-.5495
.760	-.6218	
.808	-.7550	
.850		-.7633
.857	-.4434	
.905	-.2539	
.950		-.2594
.953	-.1739	

MACH (1) = .899 ALPHA (8) = 6.443 RUN = 136.000 RN/L = 5.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3952	.5016
.020		.4061
.030	.3898	
.048	.3361	
.050		.3122
.085	.2531	
.150		.1116
.177	.1988	
.250		.1483
.274	.1788	
.402	.1906	
.585	.0907	
.650		-.3055
.750		-.5238
.760	-.6110	
.808	-.7425	

1A70 01 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L44)

MACH (1) = .899 ALPHA (0) = 6.443

SECTION (1) WING LOWER SURFACE.

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.030 -.7419

.057 -.5262

.085 -.2883

.090 -.5388

.093 -.1903

MACH (1) = .899 ALPHA (9) = 8.598 RUN = 136.000 RM/L = 3.956 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3602 .4501

.020 .5058

.030 .4196

.048 .3643

.050 .3991

.085 .2804

.130 .1408

.177 .2182

.230 .1900

.274 .1900

.402 .1686

.563 .0782

.650 -.2791

.730 -.4894

.760 -.6016

.808 -.7323

.850 -.7021

.857 -.6254

.905 -.3109

.950 -.8230

.953 -.1973

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L44)

MACH (2) = 1.088 ALPHA (1) = -8.784 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2669	.2736
.020		-.9536
.030	-.2302	
.048	-.1803	
.050		-.9921
.085	-.1526	
.150		-.5089
.177	-.1735	
.250		-.5479
.274	-.1136	
.402	-.1435	
.565	.1498	
.650		-.0942
.750		-.2592
.760	-.3782	
.808	-.5724	
.850		-.4443
.857	-.7428	
.905	-.8576	
.950		-.5877
.953	-.5945	

MACH (2) = 1.101 ALPHA (2) = -8.649 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3673	.3660
.020		-.8674
.030	-.0848	
.048	-.0679	
.050		-.6858
.085	-.1163	
.150		-.4135
.177	-.0881	
.250		-.3099
.274	-.0685	
.402	.0358	
.565	.1940	
.650		-.0531
.750		-.2317
.760	-.3469	
.808	-.5456	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (2) = 1.101 ALPHA (2) = -8.649

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4158
.857	-.7097
.905	-.7722
.950	-.5643
.953	-.5408

MACH (2) = 1.115 ALPHA (3) = -4.442 RUN = 144.000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4266	.4638
.020		-.7400
.030	.0093	
.046	.0369	
.050		-.7299
.065	-.0537	
.130		-.1435
.177	-.0015	
.250		.0295
.274	-.0173	
.402	.1346	
.563	.2379	
.650		-.0350
.750		-.2129
.760	-.3106	
.808	-.5147	
.850		-.4098
.857	-.6787	
.905	-.7764	
.950		-.5609
.953	-.5125	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (2) = 1.126 ALPHA (4) = -2.238 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4596	.5413
.020		-.5863
.030	.1063	
.048	.1024	
.050		-.5113
.085	.0060	
.150		.0473
.177	.0534	
.250		.1986
.274	.0270	
.402	.2255	
.565	.2812	
.650		-.0292
.750		-.1997
.760	-.2788	
.808	-.4898	
.850		-.4002
.857	-.6495	
.905	-.7644	
.950		-.5539
.953	-.4973	

MACH (2) = 1.125 ALPHA (5) = -.024 RUN = 144,000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4747	.6281
.020		-.0965
.030	.2189	
.048	.1943	
.050		.0619
.085	.0929	
.150		.1120
.177	.0959	
.250		.2210
.274	.1485	
.402	.2789	
.565	.3058	
.650		-.0254
.750		-.1914
.760	-.2673	
.808	-.4800	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (2) = 1.125 ALPHA (5) = -.024

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.4002

.007 -.6434

.009 -.7597

.050 -.5558

.053 -.4895

MACH (2) = 1.115 ALPHA (6) = 2.171 RUN = 144,000 RN/L = - 6.887 BETA = 4.321.

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4729 .6850

.020 .2460

.030 .3342

.048 .2951

.050 .2396

.065 .2211

.150 .1334

.177 .1927

.250 .2720

.274 .2149

.402 .3108

.565 .3155

.650 -.0271

.750 -.1983

.760 -.2712

.808 -.4673

.850 -.4103

.857 -.6533

.905 -.7483

.950 -.5686

.953 -.4873

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L44)

MACH (2) = 1.103 ALPHA (7) = 4.362 RUN = 144.000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000	.4387	.6578
.020		.4297
.030	.4246	
.048	.3794	
.050		.3753
.085	.3033	
.130		.1760
.177	.2556	
.250		.3034
.274	.2573	
.402	.3199	
.565	.3027	
.650		-.0333
.750		-.2047
.760	-.2874	
.808	-.5064	
.850		-.4223
.857	-.6705	
.905	-.6480	
.950		-.5820
.953	-.4875	

MACH (2) = 1.093 ALPHA (8) = 6.550 RUN = 144.000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3900	.6399
.020		.5468
.030	.4790	
.048	.4327	
.050		.4664
.085	.3560	
.130		.1946
.177	.2981	
.250		.3336
.274	.2662	
.402	.3284	
.565	.2944	
.650		-.0344
.750		-.2091
.760	-.2956	
.808	-.5207	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (2) = 1.093 ALPHA (8) = 6.550

SECTION (1) WING LOWER SURFACE --- -- DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.850 -.4294

.857 -.6799

.905 -.6762

.950 -.5862

.953 -.4922

MACH (2) = .. 1.085 ALPHA (9) = 8.726 RUN = 144.000 RN/L = 6.667 BETA = 4.321

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .3242 .6114

.020 .6362

.030 .5162

.048 .4714

.050 .5422

.085 .3911

.150 .2131

.177 .3203

.250 .3635

.274 .2999

.402 .3251

.565 .2782

.650 -.0299

.750 -.2085

.760 -.3021

.808 -.5267

.850 -.4301

.857 -.6825

.905 -.7902

.950 -.5867

.953 -.5093

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RFTL44)

MACH (3) = 1.195 ALPHA (1) = -8.875 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2059	.2973
.020		-.7944
.030	-.3048	
.048	-.2228	
.050		-.8294
.085	-.1786	
.150		-.4459
.177	-.1329	
.250		-.6149
.274	-.0693	
.402	-.1760	
.565	.1964	
.650		.0112
.750		-.1327
.760	-.2541	
.808	-.4713	
.850		-.3076
.857	-.5785	
.905	-.6923	
.950		-.4489
.953	-.7710	

MACH (3) = 1.207 ALPHA (2) = -6.690 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2662	.4136
.020		-.7233
.030	-.2206	
.048	-.1751	
.050		-.7504
.085	-.0994	
.150		-.3820
.177	-.0721	
.250		-.3736
.274	-.0283	
.402	-.0915	
.565	.2393	
.650		.0397
.750		-.1105
.760	-.2442	
.808	-.4392	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (3) = 1.207 ALPHA (2) = -6.690

SECTION (1) WING LOWER SURFACE . . . DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.2862
.857	-.5506	
.903	-.6663	
.950		-.4402
.953	-.7458	

MACH (3) = 1.216 ALPHA (3) = -4.468 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE . . . DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3380	.5077
.020		-.6263
.030	-.1101	
.048	-.0943	
.050		-.6374
.085	.0341	
.130		-.3012
.177	.0107	
.250		-.1585
.274	.0020	
.402	-.0302	
.565	.2906	
.650		.0649
.750		-.0905
.760	-.2297	
.808	-.4146	
.850		-.2693
.857	-.5269	
.905	-.6449	
.950		-.4322
.953	-.7243	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (3) = 1.219 ALPHA (4) = -2.262 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4014	.5844
.020		-.5078
.030	-.0016	
.040	.0509	
.050		-.4847
.065	.0425	
.150		-.0937
.177	.0512	
.250		-.1113
.274	.0477	
.402	.1460	
.565	.3340	
.650		.0788
.750		-.0837
.760	-.1951	
.808	-.3944	
.850		-.2713
.857	-.5092	
.905	-.6298	
.950		-.4394
.953	-.7105	

MACH (3) = 1.218 ALPHA (5) = -.054 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4157	.6387
.020		-.3091
.030	.1594	
.040	.1609	
.050		-.1891
.065	.1309	
.150		-.0482
.177	.1046	
.250		.2829
.274	.1153	
.402	.2783	
.565	.3673	
.650		.0638
.750		-.0893
.760	-.1777	
.805	-.3801	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(REFL 44)

MACH (3) = 1.218 ALPHA (3) = 2.554

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.2822
.857	-.5010	
.905	-.6240	
.950		-.4489
.953	-.7061	

MACH (3) = 1.211 ALPHA (6) = 2.153 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4774	.6199
.020		.0056
.030	.3202	
.048	.2971	
.050		.1253
.095	.1703	
.150		.1316
.177	.1737	
.250		.3032
.274	.1499	
.402	.3373	
.565	.3801	
.650		.0644
.750		-.0664
.780	-.1738	
.808	-.3801	
.850		-.2845
.857	-.5017	
.905	-.6271	
.950		-.4540
.953	-.7102	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L44)

MACH (3) = 1.203 ALPHA (7) = 4.355 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4651	.8020
.020		.3614
.030	.3976	
.048	.3546	
.050		.3535
.085	.2624	
.150		.1693
.177	.2153	
.250		.3478
.274	.2468	
.402	.3482	
.565	.3738	
.650		.0641
.750		-.0919
.760	-.1758	
.808	-.3833	
.850		-.2901
.857	-.5078	
.905	-.6334	
.950		-.4800
.955	-.7169	

MACH (3) = 1.194 ALPHA (8) = 6.556 RUN = 79.000 RN/L = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4077	.7103
.020		.5413
.030	.4548	
.048	.4158	
.050		.4742
.085	.3424	
.150		.1967
.177	.2827	
.250		.3836
.274	.2878	
.402	.3545	
.565	.3614	
.650		.0641
.750		-.0959
.760	-.1818	
.808	-.3904	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (3) = 1.194 ALPHA (8) = 6.556

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2960

.857 -.5143

.905 -.6386

.950 -.4640

.953 -.7134

MACH (3) = 1.163 ALPHA (9) = 8.775 RUN = 79.000 RIVL = 7.089 BETA = 4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP- - - - -

2Y/B .4360 .7710

X/C

.000 .3818 .6863

.020 .6556

.030 .5045

.048 .4631

.050 .5669

.085 .3819

.150 .2189

.177 .3122

.250 .4135

.274 .3081

.402 .3505

.563 .3388

.650 .0625

.750 -.1011

.760 -.1968

.808 -.4008

.850 -.3006

.857 -.5241

.905 -.6430

.950 -.4668

.953 -.6959

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TABULATED PRESSURE DATA - IA70

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IA70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L44)

MACH (4) = 1.504 ALPHA (1) = -8.886 RUN = 116,000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2495	.4518
.020		-.4386
.030	-.2033	
.048	-.1602	
.050		-.4925
.065	-.1714	
.150		-.2500
.177	-.1661	
.250		-.4395
.274	-.1506	
.402	.0087	
.565	.0885	
.650		-.2313
.750		-.1752
.760	-.0082	
.808	-.1547	
.850		-.0355
.857	-.2820	
.905	-.3777	
.950		-.1603
.953	-.4475	

MACH (4) = 1.504 ALPHA (2) = -6.635 RUN = 116,000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3097	.5165
.020		-.4300
.030	-.1180	
.048	-.1025	
.050		-.4603
.065	-.1406	
.150		-.2278
.177	-.1544	
.250		-.3925
.274	-.1379	
.402	.0211	
.565	.1245	
.650		-.1251
.750		.0038
.760	.0043	
.808	-.1479	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REFL44)

MACH (4) = 1.504 ALPHA (2) = -6.635

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0287

.857 -.2761

.905 -.3734

.950 -.1653

.953 -.4442

MACH (4) = 1.504 ALPHA (3) = -4.400 RUN = 116.000 RIN/L = 7.556 BETA = 4.358

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3473 .5603

.020 -.3811

.030 -.0486

.048 -.0590

.050 -.4032

.083 -.0948

.150 -.1933

.177 -.1296

.250 -.3326

.274 -.1106

.402 .0404

.565 .1974

.650 .0218

.750 .0996

.760 .0167

.800 -.1365

.850 -.0037

.857 -.2861

.905 -.3639

.950 -.1616

.953 -.4375

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (4) = 1.504 ALPHA (4) = -2.153 RUN = 116.000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3805	.6064
.020		-.3040
.030	.0122	
.048	-.0122	
.050		-.3286
.085	-.0219	
.150		-.1494
.177	-.0913	
.250		-.2259
.274	-.0653	
.402	.0619	
.565	.3179	
.650		.2179
.750		.1479
.760	.0390	
.808	-.1134	
.850		-.0064
.857	-.2466	
.905	-.3520	
.950		-.1616
.953	-.4252	

MACH (4) = 1.504 ALPHA (5) = .087 RUN = 116.000 RN/L = 7.556 BETA = 4.358

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4057	.6795
.020		-.1977
.030	.0730	
.048	.0327	
.050		-.1979
.085	.0437	
.150		-.0586
.177	.0055	
.250		-.0921
.274	.0250	
.402	.0971	
.565	.4020	
.650		.2999
.750		.1644
.760	.0615	
.808	-.0904	

1A70 01 712 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (4) = 1.504 ALPHA (5) = .087

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.895 -.0039

.857 -.2200

.905 -.3390

.950 -.1506

.953 -.4146

MACH (4) = 1.504 ALPHA (6) = 2.321 RUN = 116,000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .4272 .7150

.020 -.0667

.030 .2087

.040 .1944

.050 -.0406

.065 .0730

.100 .0176

.177 .0774

.250 .0320

.274 .1016

.402 .1677

.505 .4644

.650 .3196

.750 .1746

.760 .0777

.800 -.0730

.850 -.0075

.857 -.2143

.905 -.3290

.950 -.1596

.953 -.4054

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L44)

MACH (4) = 1.504 ALPHA (7) = 4.557 RUN = 116,000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4582	.7471
.020		.1683
.030	.2682	
.048	.2206	
.050		.1745
.085	.1380	
.150		.1037
.177	.1592	
.250		.2591
.274	.2084	
.402	.2589	
.565	.4692	
.650		.3141
.750		.1761
.760	.0847	
.808	-.0604	
.850		-.0129
.857	-.2044	
.905	-.3214	
.950		-.1648
.953	-.3981	

MACH (4) = 1.504 ALPHA (8) = 6.762 RUN = 116,000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4548	.7752
.020		.4017
.030	.3503	
.048	.3357	
.050		.3717
.085	.2569	
.150		.1604
.177	.2657	
.250		.2935
.274	.2857	
.402	.2626	
.565	.4740	
.650		.3014
.750		.1661
.760	.0751	
.808	-.0654	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(REF 1.44)

MACH (4) = 1.894 ALPHA (8) = 8.762

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.0248
.857	-.2048	
.905	-.3210	
.950		-.1752
.953	-.3958	

MACH (4) = 1.894 ALPHA (9) = 9.891 RUN = 118,000 RM/L = 7.556 BETA = 4.358

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4946	.7876
.020		.5954
.030	.4092	
.048	.3846	
.050		.5298
.085	.3052	
.150		.2196
.177	.3283	
.250		.3893
.274	.2640	
.402	.2452	
.565	.4426	
.650		.2412
.750		.1211
.760	.0683	
.808	-.0709	
.850		-.0669
.857	-.2004	
.905	-.3193	
.950		-.1850
.953	-.3914	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L45) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 373.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = .901 ALPHA (1) = -8.567 RUN = 138.000 RN/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1081 -.0929
 .020 -1.0815
 .030 -.4000
 .048 -.3053
 .050 -1.0718
 .085 -.3486
 .150 -.3990
 .177 -.2313
 .250 -.9333
 .274 -.1898
 .402 -.1127
 .565 -.1271
 .650 -.4035
 .750 -.6335
 .760 -.6796
 .808 -.8357
 .850 -.7991
 .857 -.6728
 .905 -.3816
 .950 -.2385
 .953 -.2860

MACH (1) = .897 ALPHA (2) = -6.430 RUN = 138.000 RN/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2172 .0595
 .020 -1.0806
 .030 -.2637
 .048 -.2035
 .050 -1.0609
 .085 -.2519
 .150 -.5232
 .177 -.1710
 .250 -.0412

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (1) = .897 ALPHA (2) = -6.430

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1333
.402	-.0518
.565	-.1039
.650	-.4200
.750	-.6591
.760	-.6696
.808	-.8183
.850	-.5451
.857	-.5219
.905	-.3431
.950	-.2454
.953	-.2733

MACH (1) = .898 ALPHA (3) = -4.286 RUN = 138,000 RN/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3062	.1966
.020		-.0338
.030	-.1319	
.048	-.1077	
.050		-.6858
.085	-.1570	
.150		-.2276
.177	-.1093	
.250		-.1599
.274	-.0629	
.402	-.0109	
.565	-.0780	
.650		-.4163
.750		-.6505
.760	-.6571	
.808	-.8064	
.850		-.4387
.857	-.4753	
.905	-.3254	
.950		-.2948
.953	-.2590	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L45)

MACH (1) = .899 ALPHA (4) = -2.148 RUN = 138,000 RN/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3686	.3352
.020		-.6983
.030	-.0045	
.048	-.0082	
.050		-.3395
.085	-.0644	
.150		-.0934
.177	-.0466	
.250		-.1009
.274	-.0306	
.402	.0246	
.565	-.0534	
.650		-.4174
.750		-.6461
.760	-.6443	
.808	-.7981	
.850		-.3928
.857	-.4580	
.905	-.3082	
.950		-.2459
.953	-.2371	

MACH (1) = .898 ALPHA (5) = .000 RUN = 138,000 RN/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3985	.4548
.020		-.2867
.030	.1124	
.048	.0867	
.050		-.1867
.085	.0231	
.150		-.0392
.177	.0123	
.250		-.0495
.274	.0150	
.402	.0495	
.565	-.0488	
.650		-.4170
.750		-.6299
.760	-.6323	
.808	-.7822	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (1) = .898 ALPHA (5) = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3906

.857 -.4829

.903 -.2885

.950 -.2200

.953 -.2085

MACH (1) = .898 ALPHA (6) = 2.140 RUN = 138.000 RM/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3939 .4794

.020 -.0079

.030 .2077

.048 .1687

.050 -.0091

.065 .0994

.150 .0072

.177 .0665

.250 .0060

.274 .0567

.402 .0766

.563 -.0300

.650 -.4002

.750 -.6069

.760 -.6176

.808 -.7326

.850 -.4243

.857 -.5274

.905 -.2753

.950 -.2214

.953 -.1882

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L45)

MACH (1) = .899 ALPHA (7) = 4.267 RUN = 138.000 RN/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3729	.4756
.020		.1762
.030	.2783	
.048	.2328	
.050		.1285
.085	.1593	
.150		.0449
.177	.1113	
.250		.0514
.274	.0932	
.402	.1027	
.565	-.0108	
.650		-.3796
.750		-.5854
.760	-.6088	
.808	-.7260	
.850		-.7672
.857	-.5550	
.905	-.2873	
.950		-.2539
.953	-.1868	

MACH (1) = .899 ALPHA (8) = 6.435 RUN = 138.000 RN/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3406	.4357
.020		.3077
.030	.3241	
.048	.2763	
.050		.2302
.085	.2009	
.150		.0754
.177	.1445	
.250		.0924
.274	.1203	
.402	.1195	
.565	-.0008	
.650		-.3541
.750		-.5662
.760	-.6188	
.808	-.7549	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (1) = .899 ALPHA (0) = 6.435

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.890	-.7755
.897	-.5659
.905	-.3613
.950	-.3628
.953	-.1950

MACH (1) = .899 ALPHA (9) = 8.568 RUN = 136,000 RN/L = 5.989 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2887	.3688
.020		.4173
.030	.3553	
.048	.3064	
.050		.3224
.085	.2304	
.150		.1087
.177	.1691	
.250		.1408
.274	.1409	
.402	.1282	
.565	-.0032	
.650		-.5175
.750		-.5292
.760	-.5936	
.808	-.6987	
.850		-.7373
.897	-.6370	
.905	-.3549	
.950		-.7717
.953	-.2038	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P3 WING LOWER SURFACE (RF7L45)

MACH (2) = 1.091 ALPHA (1) = -8.816 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1991	.1094
.020		-.9675
.030	-.1961	
.048	-.1451	
.050		-.9391
.085	-.1833	
.150		-.4713
.177	-.1447	
.250		-.7579
.274	-.1372	
.402	-.0590	
.565	-.0642	
.650		-.1447
.750		-.3124
.760	-.4856	
.808	-.6741	
.850		-.4867
.857	-.7572	
.905	-.8168	
.950		-.6395
.953	-.5694	

MACH (2) = 1.105 ALPHA (2) = -6.599 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3101	.2627
.020		-.9187
.030	-.0808	
.048	-.0772	
.050		-.9188
.085	-.1149	
.150		-.3460
.177	-.0838	
.250		-.3266
.274	-.0897	
.402	.0193	
.565	.0014	
.650		-.1033
.750		-.2770
.760	-.4471	
.808	-.6359	

1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (2) = 1.105 ALPHA (2) = -6.599

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4645

.857 -.7330

.905 -.7419

.950 -.6135

.953 -.5267

MACH (2) = 1.119 ALPHA (3) = -4.416 RUN = 143,000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3699 .3538

.020 -.7988

.030 .0019

.048 .0063

.050 -.7732

.065 -.0588

.130 -.1598

.177 -.0261

.250 -.1416

.274 -.0262

.402 .0565

.565 .0526

.650 -.0675

.750 -.2437

.760 -.4118

.808 -.6011

.850 -.4340

.857 -.8999

.905 -.6403

.950 -.5919

.953 -.4816

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P6 WING LOWER SURFACE (RF7L45)

MACH (2) = 1.132 ALPHA (4) = -2.215 RUN = 143.000 RN/L = 6.676 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4086	.4400
.020		-.6336
.030	.0937	
.048	.0921	
.050		-.5554
.085	.0133	
.130		-.0632
.177	.0301	
.250		.1076
.274	.0293	
.402	.1034	
.565	.1062	
.650		-.0692
.750		-.2334
.760	-.3757	
.808	-.5714	
.850		-.4309
.857	-.6781	
.905	-.7422	
.950		-.5830
.953	-.4814	

MACH (2) = 1.136 ALPHA (5) = .000 RUN = 143.000 RN/L = 6.676 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4366	.5134
.020		-.3262
.030	.1881	
.048	.1660	
.050		-.2018
.085	.0747	
.130		.1076
.177	.0692	
.250		.1744
.274	.0825	
.402	.1604	
.565	.1537	
.650		-.0820
.750		-.2173
.760	-.3436	
.808	-.5459	

1A70 OI T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (2) = 1.138 ALPHA (5) = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C		
.850		-.4213
.857		-.6677
.905		-.7600
.950		-.5730
.953		-.4813

MACH (2) = 1.130 ALPHA (6) = 2.201 RUN = 143,000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C		
.000	.4188	.5921
.020		.1113
.030	.2855	
.048	.2497	
.050		.1363
.085	.1777	
.130		.1192
.177	.1418	
.250		.2162
.274	.1461	
.402	.2028	
.565	.1696	
.650		-.0627
.750		-.2166
.760	-.3419	
.808	-.5475	
.850		-.4257
.857	-.6758	
.905	-.7373	
.950		-.5795
.953	-.4826	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L45)

MACH (2) = 1.119 ALPHA (7) = 4.395 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4380 .7710

X/C

.000	.3742	.6065
.020		.3397
.030	.3680	
.048	.3258	
.050		.2938
.085	.2533	
.150		.1473
.177	.1923	
.250		.2354
.274	.1814	
.402	.2172	
.565	.1647	
.650		-.0712
.750		-.2269
.760	-.3586	
.808	-.5635	
.850		-.4396
.857	-.6925	
.905	-.6884	
.950		-.5948
.953	-.4842	

MACH (2) = 1.110 ALPHA (8) = 6.593 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3228	.5933
.020		.4563
.030	.4098	
.048	.3664	
.050		.3895
.085	.2905	
.150		.1870
.177	.2222	
.250		.2841
.274	.2033	
.402	.2224	
.565	.1576	
.650		-.0677
.750		-.2291
.760	-.3668	
.808	-.5738	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (2) = 1.110 ALPHA (8) = 8.593

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.4440
.857	-.8893	
.903	-.6388	
.950		-.6010
.953	-.4759	

MACH (2) = 1.103 ALPHA (9) = 8.795 RUN = 143.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2200	.5730
.020		.5462
.030	.3972	
.048	.3606	
.050		.4624
.085	.2935	
.130		.1848
.177	.2295	
.250		.3109
.274	.2074	
.402	.2096	
.565	.1288	
.650		-.0652
.750		-.2332
.760	-.3836	
.808	-.5887	
.850		-.4453
.857	-.7080	
.903	-.5967	
.950		-.6014
.953	-.4639	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (3) = 1.200 ALPHA (1) = -8.813 RUN = 78,000 RN/L = 7,100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1363	.1636
.020		-.8179
.030	-.2569	
.048	-.1861	
.050		-.8294
.085	-.2048	
.150		-.4312
.177	-.1419	
.250		-.5514
.274	-.1367	
.402	-.0593	
.565	-.0182	
.650		-.0666
.750		-.1831
.760	-.3671	
.808	-.5431	
.850		-.3535
.857	-.6039	
.905	-.8848	
.950		-.4819
.953	-.5217	

MACH (3) = 1.212 ALPHA (2) = -6.539 RUN = 78,000 RN/L = 7,100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2360	.2314
.020		-.7536
.030	-.1307	
.048	-.0955	
.050		-.7800
.085	-.1286	
.150		-.3928
.177	-.0622	
.250		-.3926
.274	-.0620	
.402	.0015	
.565	.0112	
.650		-.0216
.750		-.1513
.760	-.3458	
.808	-.5187	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (3) = 1.212 ALPHA (2) = -6.339

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 -.3163

.657 -.5636

.903 -.6637

.950 -.4731

.953 -.4945

MACH (3) = 1.217 ALPHA (3) = -4.339 RUN = 76.000 RN/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3569 .2330

.020 -.6738

.030 .0011

.048 .0022

.050 -.6843

.065 -.0493

.150 -.2791

.177 -.0210

.250 -.2002

.274 .0029

.402 .0394

.565 .0615

.650 .0192

.750 -.1257

.760 -.3339

.808 -.5001

.850 -.3065

.857 -.5708

.905 -.8564

.950 -.4708

.953 -.4749

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (3) = 1.222 ALPHA (4) = -2.146 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3985	.2325
.020		-.5484
.030	.1033	
.048	.0923	
.050		-.5123
.085	.0153	
.150		-.1144
.177	.0511	
.250		-.0663
.274	.0322	
.402	.1074	
.565	.1197	
.650		.0383
.750		-.1141
.760	-.3237	
.808	-.4746	
.850		-.3030
.857	-.5573	
.905	-.6489	
.950		-.4680
.953	-.5156	

MACH (3) = 1.225 ALPHA (5) = .057 RUN = 78.000 RN/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4197	.2302
.020		-.3347
.030	.1694	
.048	.1704	
.050		-.2156
.085	.0849	
.150		-.0431
.177	.0974	
.250		.0459
.274	.0766	
.402	.1519	
.565	.1794	
.650		.0402
.750		-.1151
.760	-.3167	
.808	-.4309	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (3) = 1.225 ALPHA (5) = .057

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.3084
.857	-.3404
.905	-.6410
.950	-.4718
.953	-.6380

MACH (3) = 1.218 ALPHA (6) = 2.264 RUN = 78,000 RN/L = 7,100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4159	.2183
.020		-.0456
.030	.2680	
.048	.2370	.0159
.050		.0105
.085	.1403	
.150		.0288
.177	.1380	.0288
.250		.2867
.274	.1327	
.402	.1670	
.565	.2047	
.650		.0249
.750		-.1233
.760	-.3208	
.808	-.4513	
.850		-.3144
.857	-.5460	
.905	-.6519	
.950		-.4791
.953	-.6455	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L45)

MACH (3) = 1.210 ALPHA (7) = 4.475 RUN = 78,000 RN/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3764	.2040
.020		.2443
.030	.3534	
.048	.3148	
.050		.2286
.085	.2339	
.150		.1308
.177	.1715	
.250		.2834
.274	.1867	
.402	.2174	
.565	.1987	
.650		.0206
.750		-.1296
.760	-.3283	
.808	-.4666	
.850		-.3224
.857	-.5596	
.905	-.6638	
.950		-.4883
.955	-.5141	

MACH (3) = 1.201 ALPHA (8) = 6.680 RUN = 78,000 RN/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3171	.1913
.020		.4391
.030	.3939	
.048	.3574	
.050		.3866
.085	.2810	
.150		.1636
.177	.2116	
.250		.3227
.274	.2065	
.402	.2350	
.565	.1969	
.650		.0248
.750		-.1290
.760	-.3362	
.808	-.4715	

1A70 O1 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L45)

MACH (3) = 1.201 ALPHA (8) = .8.680

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3245

.857 -.5646

.903 -.6661

.950 -.4906

.953 -.4671

MACH (3) = 1.193 ALPHA (9) = 8.670 RUN = 78,000 RN/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1918 .1802

.020 .5557

.030 .3797

.048 .3493

.050 .4781

.085 .2878

.150 .1871

.177 .2258

.250 .3523

.274 .2116

.402 .2191

.565 .1601

.650 .0224

.750 -.1359

.760 -.3433

.808 -.4903

.850 -.3285

.857 -.5755

.903 -.6692

.950 -.4912

.953 -.4339

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L45)
 MACH (4) = 1.504 ALPHA (1) = -8.863 RUN = 115,000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1344 .2690
 .020 -.4999
 .030 -.2722
 .040 -.1956
 .050 -.3310
 .065 -.2032
 .150 -.2747
 .177 -.1858
 .250 -.4906
 .274 -.1286
 .402 -.0270
 .565 .0278
 .650 -.2291
 .750 .0077
 .760 -.1441
 .800 -.2550
 .850 -.1434
 .857 -.3491
 .905 -.4275
 .950 -.2468
 .953 -.4761

MACH (4) = 1.504 ALPHA (2) = -6.836 RUN = 115,000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1754 .3466
 .020 -.4819
 .030 -.1756
 .040 -.1451
 .050 -.5134
 .065 -.1747
 .150 -.2604
 .177 -.1670
 .250 -.4598
 .274 -.1062
 .402 .0098
 .565 .0420
 .650 -.0221
 .750 .0011
 .760 -.1437
 .800 -.2580

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL45)

MACH (4) = 1.504 ALPHA (2) = -6.836

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1266

.857 -.3502

.905 -.4273

.950 -.2264

.953 -.4752

MACH (4) = 1.504 ALPHA (3) = -4.432 RUN = 115.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2248 .4029

.020 -.4431

.030 -.0829

.048 -.0887

.050 -.4686

.085 -.1325

.150 -.2315

.177 -.1374

.250 -.3997

.274 -.0668

.402 .0406

.563 .0650

.650 .1366

.750 .0613

.760 -.1379

.808 -.2477

.850 -.0811

.857 -.3408

.905 -.4184

.950 -.2133

.953 -.4654

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L45)

MACH (4) = 1.504 ALPHA (4) = -2.190 RUN = 115.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2851	.5009
.020		-.3503
.030	-.0232	
.048	-.0401	
.050		-.3687
.085	-.0701	
.150		-.1678
.177	-.0603	
.250		-.2416
.274	.0237	
.402	.1321	
.565	.1146	
.650		.1847
.750		.0955
.760	-.1174	
.808	-.2261	
.850		-.0635
.857	-.3204	
.905	-.4017	
.950		-.2084
.953	-.4527	

MACH (4) = 1.504 ALPHA (5) = .054 RUN = 115.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3275	.5609
.020		-.2495
.030	.0670	
.048	.0572	
.050		-.2500
.085	.0181	
.150		-.0518
.177	.0383	
.250		.0816
.274	.1025	
.402	.1721	
.565	.1493	
.650		.2522
.750		.1240
.760	-.0838	
.808	-.1966	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REF 143)

MACH (4) = 1.504 ALPHA (5) = .054

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.830	-.0460
.857	-.3013
.905	-.3906
.950	-.1969
.953	-.4463

MACH (4) = 1.504 ALPHA (6) = 2.270 RUN = 115.000 RIN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000	.3580	.6078
.020		-.0962
.030	.1744	
.048	.1607	
.050		-.0106
.065	.0963	
.150		.0501
.177	.1146	
.250		.1141
.274	.1623	
.402	.2036	
.563	.1842	
.650		.3024
.750		.1480
.760	-.0421	
.808	-.1653	
.850		-.0370
.857	-.2760	
.895	-.3770	
.950		-.1905
.953	-.4399	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L45)

MACH (4) = 1.504 ALPHA (7) = 4.499 RUN = 115.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3236	.6473
.020		.2039
.030	.2768	
.048	.2495	
.050		.2101
.085	.1839	
.150		.1001
.177	.2039	
.250		.1939
.274	.2045	
.402	.2241	
.565	.2292	
.650		.2935
.750		.1434
.760	-.0348	
.808	-.1569	
.850		-.0477
.857	-.2728	
.905	-.3749	
.950		-.1984
.953	-.4395	

MACH (4) = 1.504 ALPHA (8) = 6.711 RUN = 115.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3243	.6645
.020		.3623
.030	.3611	
.048	.3266	
.050		.3486
.085	.2590	
.150		.1392
.177	.2378	
.250		.2575
.274	.2201	
.402	.2456	
.565	.2593	
.650		.2720
.750		.1339
.760	-.0415	
.808	-.1628	

IA70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REFL45)

MACH (4) = 1.504 ALPHA (6) = 6.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.0556
.857	-.2753	
.903	-.3744	
.950		-.2032
.953	-.4374	

MACH (4) = 1.504 ALPHA (9) = 8.923 RUN = 115.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3193	.6721
.020		.5162
.030	.3791	
.048	.3307	
.050		.4417
.065	.2793	
.150		.1823
.177	.2612	
.250		.3133
.274	.2256	
.402	.2565	
.565	.2540	
.650		.2370
.750		.1074
.760	-.0666	
.808	-.1797	
.850		-.0721
.857	-.2866	
.903	-.3763	
.950		-.2162
.953	-.4390	

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1A70 01 T12 S1 P2 P3

WING LOWER SURFACE

(RF7L46) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -4.000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = .900 ALPHA (1) = -8.603 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0738 -.2331
 .020 -.9975
 .030 -.3332
 .048 -.2514
 .050 -.9894
 .085 -.2564
 .150 -.5842
 .177 -.1927
 .250 -1.0105
 .274 -.1755
 .402 -.1389
 .565 -.2162
 .650 -.4513
 .750 -.6418
 .760 -.5527
 .808 -.6173
 .850 -.4383
 .857 -.5297
 .905 -.4170
 .950 -.2550
 .953 -.3324

MACH (1) = .897 ALPHA (2) = -6.432 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1725 -.0770
 .020 -.9997
 .030 -.2167
 .048 -.1682
 .050 -.9590
 .085 -.1854
 .150 -.5665
 .177 -.1349
 .250 -.1829

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (1) = .897 ALPHA (2) = -6.432

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B - .4360 .7710

X/C

.274	-.1215
.402	-.1022
.565	-.1914
.650	-.4811
.750	-.6865
.780	-.5298
.808	-.5962
.850	-.4254
.857	-.5109
.905	-.3940
.950	-.2398
.953	-.3038

MACH (1) = .898 ALPHA (3) = -4.290 RUN = 139.000 RV/L = 5.944 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2454	.0747
.020		-.8731
.030	-.1026	
.048	-.0793	
.050		-.7561
.085	-.1051	
.150		-.2398
.177	-.0777	
.250		-.1883
.274	-.0742	
.402	-.0838	
.565	-.1638	
.650		-.4586
.750		-.6753
.780	-.5116	
.808	-.5768	
.850		-.2968
.857	-.4860	
.905	-.3681	
.950		-.2328
.953	-.2769	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P0 WING LOWER SURFACE (RF7L46)

MACH (1) = .898 ALPHA (4) = -2.131 RUN = 139,000 RN/L = 5,944 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.2677	.2281
.020		-.7618
.030	-.0033	
.048	-.0021	
.050		-.4359
.085	-.0323	
.130		-.1212
.177	-.0285	
.250		-.1528
.274	-.0335	
.402	-.0331	
.565	-.1461	
.650		-.4605
.750		-.6689
.760	-.5065	
.808	-.5682	
.850		-.2877
.857	-.4675	
.905	-.3470	
.950		-.2038
.953	-.2527	

MACH (1) = .899 ALPHA (5) = .002 RUN = 139,000 RN/L = 5,944 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.2640	.3400
.020		-.3725
.030	.0837	
.048	.0699	
.050		-.2102
.085	.0365	
.130		-.0666
.177	.0211	
.250		-.0959
.274	.0092	
.402	-.0021	
.565	-.1221	
.650		-.4588
.750		-.6536
.760	-.4943	
.808	-.5598	

1A70 O1 T12 S1 P2 P6

WING LOWER SURFACE

(BF7LA6)

MACH (1) = .899 ALPHA (5) = .002

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2913

.857 -.4813

.905 -.3363

.950 -.2044

.953 -.2387

MACH (1) = .900 ALPHA (6) = 2.142 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2311 .4030

.020 -.0825

.030 .1529

.048 .1324

.050 -.0670

.065 .0974

.150 -.0181

.177 .0680

.250 -.0376

.274 .0493

.402 .0301

.565 -.0961

.650 -.4450

.750 -.0296

.760 -.4837

.808 -.5584

.850 -.3603

.857 -.4648

.905 -.3326

.950 -.2136

.953 -.2289

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L46)
 MACH (1) = .900 ALPHA (7) = 4.291 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1883 .4100
 .020 .1053
 .030 .1968
 .048 .1750
 .050 .0609
 .085 .1382
 .150 .0162
 .177 .1005
 .250 .0072
 .274 .0784
 .402 .0550
 .565 -.0780
 .650 -.4251
 .750 -.6154
 .760 -.4840
 .808 -.5654
 .850 -.6030
 .857 -.4688
 .905 -.3284
 .950 -.2385
 .955 -.2181

MACH (1) = .899 ALPHA (6) = 6.437 RUN = 139.000 RN/L = 5.944 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1637 .3760
 .020 .2295
 .030 .2239
 .048 .1995
 .050 .1628
 .085 .1395
 .150 .0450
 .177 .1199
 .250 .0471
 .274 .0970
 .402 .0708
 .565 -.0671
 .650 -.4017
 .750 -.5959
 .760 -.4944
 .808 -.5809

1A70 01.712 S1 P2 P8

WING LOWER SURFACE

..(RF) L48)

MACH (.1) = .899 ALPHA (.5) = 6.437

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.7913

.857 -.4792

.905 -.3274

.950 -.2731

.953 -.2157

MACH (.1) = .899 ALPHA (.9) = 6.570 RUN = 139,000 RNVL = 91944 BETA = -4.232

SECTION (.1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1099 .2923

.020 .3349

.030 .2496

.048 .2258

.050 .2500

.085 .1831

.150 .0794

.177 .1368

.250 .0956

.274 .1113

.402 .0824

.565 .0591

.650 .3379

.750 .5611

.780 -.4924

.808 .5955

.850 .7607

.857 .8238

.905 .5898

.950 .4599

.953 .2456

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L46)

MACH (2) = 1.085 ALPHA (1) = -8.855 RUN = 142,000 RN/L = 6.800 BETA = -4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1188	-.0775
.020		-.8308
.030	-.1979	
.048	-.1869	
.050		-.8262
.085	-.1954	
.150		-.5102
.177	-.1844	
.250		-.8766
.274	-.1401	
.402	-.0875	
.565	-.1658	
.650		-.2323
.750		-.3476
.760	-.5540	
.808	-.7193	
.850		-.5431
.857	-.7533	
.905	-.6757	
.950		-.6862
.953	-.4525	

MACH (2) = 1.103 ALPHA (2) = -8.631 RUN = 142,000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2070	.0920
.020		-.8050
.030	-.1433	
.048	-.1181	
.050		-.8008
.085	-.1284	
.150		-.4291
.177	-.1003	
.250		-.6945
.274	-.0785	
.402	-.0388	
.565	-.1199	
.650		-.1588
.750		-.3131
.760	-.3094	
.808	-.6783	

. 1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL40)

MACH (2) = 1.103 ALPHA (2) = -6.631

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z_Y/B .4360 .7710

X/C

.850		-.4945
.857	-.7248	
.905	-.6384	
.950		-.6327
.953	-.4262	

. MACH (2) = 1.119 ALPHA (3) = -4.446 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z_Y/B .4360 .7710

X/C

.000	.2747	.2368
.020		-.7986
.030	-.0382	
.048	-.0259	
.050		-.7744
.085	-.0549	
.150		-.2495
.177	-.0280	
.250		-.1934
.274	-.0281	
.402	-.0018	
.565	-.0759	
.630		-.1407
.750		-.2899
.760	-.4656	
.808	-.6377	
.850		-.4827
.857	-.6972	
.905	-.6296	
.950		-.6328
.953	-.4209	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (2) = 1.129 ALPHA (4) = -2.254 RUN = 142,000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2956	.3439
.020		-.6547
.030	.0391	
.048	.0385	
.050		-.5711
.085	.0081	
.150		-.0905
.177	.0181	
.250		-.0746
.274	.0280	
.402	.0429	
.565	-.0310	
.650		-.1388
.750		-.2921
.760	-.4399	
.808	-.6141	
.850		-.4833
.857	-.6829	
.905	-.6501	
.950		-.6307
.953	-.4146	

MACH (2) = 1.127 ALPHA (5) = -.044 RUN = 142,000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2963	.4166
.020		-.3803
.030	.1207	
.048	.1068	
.050		-.2325
.085	.0741	
.150		.0025
.177	.0714	
.250		.0908
.274	.0739	
.402	.0833	
.565	.0038	
.650		-.1517
.750		-.2981
.760	-.4321	
.808	-.6052	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (2) = 1.127 ALPHA (5) = -.044

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.4911

.057 -.6703

.065 -.6664

.050 -.6398

.053 -.4244

MACH (2) = 1.117 ALPHA (5) = 2.145 RUN = 142,000 RIN/L = 0.600 BETA = -4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2770 .4759

.020 -.0404

.030 .1862

.040 .1651

.050 .0305

.065 .1292

.150 .0516

.177 .1113

.250 .1269

.274 .1064

.402 .1086

.565 .0146

.650 -.1546

.750 -.3032

.760 -.4345

.800 -.6059

.850 -.5006

.857 -.6717

.905 -.6655

.950 -.6512

.952 -.4151

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P3

WING LOWER SURFACE

(RF7L46)

MACH (2) = 1.106 ALPHA (7) = 4.335 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2244	.4983
.020		.1729
.030	.1976	
.048	.1781	
.050		.1539
.085	.1468	
.150		.0823
.177	.1270	
.250		.1605
.274	.1192	
.402	.1161	
.565	.0170	
.650		-.1547
.750		-.3051
.760	-.4364	
.808	-.6099	
.850		-.5076
.857	-.6714	
.905	-.6580	
.950		-.6599
.955	-.4038	

MACH (2) = 1.096 ALPHA (8) = 6.516 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1237	.4979
.020		.3270
.030	.2083	
.048	.1969	
.050		.2699
.085	.1733	
.150		.1097
.177	.1482	
.250		.2021
.274	.1366	
.402	.1282	
.565	.0237	
.650		-.1410
.750		-.2980
.760	-.4373	
.808	-.6144	

1A70 01 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L46)

MACH (2) = 1.096 ALPHA (8) = 8.516

SECTION (1) WING LOWER SURFACE - - - - - DEPENDENT VARIABLE CP - - - - -

2Y/B .4360 .7710

X/C

.850		-.5053
.857		-.6754
.905		-.6561
.950		-.6623
.953		-.4055

MACH (2) = 1.088 ALPHA (9) = 8.725 RUN = 142.000 RN/L = 6.600 BETA = -4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0240	.4949
.020		.4500
.030	.2094	
.048	.2129	
.050		.3752
.085	.2002	
.150		.1365
.177	.1742	
.250		.2456
.274	.1589	
.402	.1430	
.565	.0316	
.650		-.1225
.750		-.2875
.760	-.4284	
.808	-.6048	
.830		-.4996
.857	-.6629	
.905	-.6747	
.950		-.6591
.953	-.4136	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L46)

MACH (3) = 1.195 ALPHA (1) = -8.847 RUN = 80,000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0720	.0380
.020		-.7373
.030	-.2477	
.048	-.1941	
.050		-.7344
.085	-.1984	
.150		-.4292
.177	-.1445	
.250		-.6863
.274	-.1209	
.402	-.0657	
.565	-.1220	
.650		-.1380
.750		-.2296
.760	-.4786	
.808	-.6044	-
.850		-.3980
.857	-.6496	
.905	-.6784	
.950		-.5279
.953	-.4871	

MACH (3) = 1.207 ALPHA (2) = -6.630 RUN = 80,000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2031	.1429
.020		-.7845
.030	-.1244	
.048	-.1162	
.050		-.7609
.085	-.1457	
.150		-.3489
.177	-.0919	
.250		-.5318
.274	-.0688	
.402	-.0324	
.565	-.0887	
.650		-.0930
.750		-.1913
.760	-.4544	
.808	-.5826	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (3) = 1.207 ALPHA (2) = -6.630

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.850		-.3809
.837	-.6202	
.905	-.6651	
.950		-.5181
.953	-.4351	

MACH (3) = 1.215 ALPHA (3) = -4.401 RUN = 80,000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2439	.2645
.020		-.7294
.030	-.0511	
.048	-.0462	
.050		-.7191
.085	-.0829	
.150		-.2456
.177	-.0350	
.250		-.2495
.274	-.0297	
.402	.0041	
.565	-.0495	
.650		-.0443
.750		-.1629
.760	-.4213	
.808	-.5512	
.850		-.3625
.857	-.5949	
.905	-.6562	
.950		-.5162
.953	-.4283	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (3) = 1.218 ALPHA (4) = -2.182 RUN = 80,000 RN/L = 7,100 BETA = -4,333

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2882	.3500
.020		-.6139
.030	.0253	
.048	.0213	
.050		-.5733
.085	-.0047	
.150		-.1378
.177	.0089	
.250		-.0887
.274	.0202	
.402	.0424	
.585	-.0093	
.650		-.0334
.750		-.1795
.760	-.3997	
.808	-.5365	
.850		-.3659
.857	-.5816	
.905	-.6532	
.950		-.5233
.953	-.4333	

MACH (3) = 1.217 ALPHA (5) = .022 RUN = 80,000 RN/L = 7,100 BETA = -4,333

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2941	.4258
.020		-.4398
.030	.1068	
.048	.0914	
.050		-.2985
.085	.0560	
.150		-.0539
.177	.0587	
.250		.0039
.274	.0593	
.402	.0798	
.565	.0237	
.650		-.0439
.750		-.1905
.760	-.3945	
.808	-.5261	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (3) = 1.217 ALPHA (5) = .022

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.3730
.857	-.5737
.905	-.6453
.930	-.5296
.953	-.4360

MACH (3) = 1.299 ALPHA (6) = 2.213 RUN = 80.000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2665	.4756
.020		-.1330
.030	.1769	
.048	.1551	
.050		-.0550
.065	.1130	
.150		.0158
.177	.0977	
.250		.1048
.274	.1016	
.402	.1106	
.563	.0472	
.660		-.0540
.750		-.1983
.760	-.3845	
.808	-.5290	
.830		-.3636
.857	-.3709	
.905	-.6442	
.930		-.5362
.953	-.4347	

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TABULATED PRESSURE DATA - IA70

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IA70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L46)

MACH (3) = 1.202 ALPHA (7) = 4.411 RUN = 80,000 RN/L = 7,100 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2388	.5177
.020		.1512
.030	.2124	
.040	.1913	
.050		.1466
.085	.1559	
.150		.0693
.177	.1364	
.250		.1968
.274	.1337	
.402	.1373	
.565	.0654	
.650		-.0498
.750		-.1946
.760	-.3728	
.808	-.5283	
.850		-.3822
.857	-.5672	
.905	-.6389	
.950		-.5361
.953	-.4212	

MACH (3) = 1.193 ALPHA (8) = 6.616 RUN = 80,000 RN/L = 7,100 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1413	.5234
.020		.3145
.030	.2321	
.040	.2181	
.050		.2738
.085	.1920	
.150		.1120
.177	.1647	
.250		.2469
.274	.1569	
.402	.1539	
.565	.0734	
.650		-.0364
.750		-.1868
.760	-.3764	
.808	-.5242	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (3) = 1.193 ALPHA (6) = 8.618

SECTION (1) WING LOWER SURFACE ——— DEPENDENT VARIABLE CP ———

2Y/B .4360 .7710

X/C

.850		-.3776
.857	-.5644	
.905	-.6323	
.950		-.5353
.953	-.4041	

MACH (3) = 1.182 ALPHA (6) = 8.823 RUN = 80.000 RN/L = 7.100 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0136	.5338
.020		.4523
.030	.2385	
.048	.2377	
.050		.3858
.095	.2200	
.150		.1422
.177	.1881	
.250		.2895
.274	.1731	
.402	.1640	
.565	.0737	
.650		-.0254
.750		-.1812
.760	-.3817	
.808	-.5223	
.850		-.3738
.857	-.5604	
.905	-.6246	
.950		-.5337
.953	-.4160	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P6 WING LOWER SURFACE (RP7L46)

MACH (4) = 1.504 ALPHA (1) = -6.857 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.0714	.1437
.020		-.5338
.030	-.2328	
.048	-.1736	
.050		-.5247
.085	-.1727	
.150		-.2726
.177	-.1211	
.250		-.4548
.274	-.0841	
.402	-.0223	
.565	-.0563	
.650		-.1807
.750		-.1660
.760	-.3024	
.808	-.3852	
.850		-.2577
.857	-.4326	
.905	-.4646	
.950		-.3122
.953	-.4627	

MACH (4) = 1.504 ALPHA (2) = -6.688 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.0998	.1938
.020		-.5251
.030	-.1661	
.048	-.1365	
.050		-.5430
.085	-.1542	
.150		-.2764
.177	-.1010	
.250		-.3840
.274	-.0618	
.402	-.0151	
.565	-.0515	
.650		-.0763
.750		-.0997
.760	-.2888	
.808	-.3852	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(REFL 48)

MACH (4) = 1.504 ALPHA (2) = -8.688

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 - .2133

.057 - .4176

.065 - .4521

.080 - .2948

.093 - .4161

MACH (4) = 1.504 ALPHA (3) = -4.448 RUN = 114.000 RIN/L = 7.622 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1399 .2859

.020 - .4799

.030 - .0806

.048 - .0693

.050 - .4998

.065 - .1191

.100 - .2370

.177 - .0596

.250 - .2030

.274 - .0337

.402 .0162

.565 - .0163

.650 - .0772

.750 - .0571

.760 - .2640

.808 - .3613

.850 - .1717

.857 - .4047

.905 - .4431

.950 - .2784

.955 - .4246

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL46)

MACH (4) = 1.504 ALPHA (4) = -2.211 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.2159	.3854
.020		-.3684
.030	.0101	
.048	-.0112	
.050		-.3754
.085	-.0381	
.150		-.1005
.177	.0183	
.250		-.1264
.274	.0158	
.402	.0500	
.565	.0192	
.650		.0359
.750		.0084
.760	-.2396	
.808	-.3342	
.850		-.1409
.857	-.3922	
.905	-.4381	
.950		-.2682
.953	-.4550	

MACH (4) = 1.504 ALPHA (5) = .012 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.2672	.4594
.020		-.2672
.030	.0987	
.048	.0820	
.050		-.2435
.085	.0343	
.150		-.0534
.177	.0563	
.250		-.0304
.274	.0500	
.402	.0874	
.565	.0530	
.650		.1437
.750		.0279
.760	-.2143	
.808	-.3110	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (4) = 1.504 ALPHA (5) = .012

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.1370
.857		-.3771
.905		-.4337
.950		-.2680
.953		-.4655

MACH (4) = 1.504 ALPHA (6) = 2.240 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2894	.4940
.020		-.0548
.030	.1799	
.048	.1489	
.050		.0060
.085	.0890	
.150		.0118
.177	.0958	
.250		.0695
.274	.0906	
.402	.1279	
.563	.0917	
.650		.1557
.750		.0471
.760	-.1931	
.808	-.2943	
.830		-.1222
.857	-.3818	
.905	-.4219	
.950		-.2582
.953	-.4572	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (4) = 1.504 ALPHA (7) = 4.464 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2646	.5394
.020		.1551
.030	.2157	
.048	.1907	
.050		.1606
.085	.1447	
.150		.0662
.177	.1320	
.250		.1558
.274	.1423	
.402	.1704	
.565	.1261	
.650		.1910
.750		.0652
.760	-.1778	
.808	-.2810	
.850		-.1141
.857	-.3494	
.905	-.4149	
.950		-.2549
.953	-.4514	

MACH (4) = 1.504 ALPHA (8) = 6.677 RUN = 114.000 RN/L = 7.622 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1542	.5650
.020		.2912
.030	.2386	
.048	.2271	
.050		.2724
.085	.2068	
.150		.1152
.177	.1836	
.250		.2119
.274	.1770	
.402	.1890	
.565	.1351	
.650		.2199
.750		.0820
.760	-.1765	
.808	-.2765	

1A70 O1 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L46)

MACH (4) = 1.504 ALPHA (6) = 6.677

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.1013
.857	-.3445	
.905	-.4093	
.950		-.2454
.953	-.4456	

MACH (4) = 1.504 ALPHA (9) = 6.901 RUN = 114.000 RIN/L = 7.622 BETA " = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0485	.5760
.020		.4164
.030	.2450	
.048	.2419	
.050		.3602
.085	.2279	
.150		.1494
.177	.2006	
.230		.2671
.274	.1915	
.402	.1961	
.565	.1378	
.650		.2351
.750		.0881
.760	-.1757	
.808	-.2726	
.850		-.0930
.857	-.3589	
.905	-.4035	
.950		-.2375
.953	-.4414	

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WING LOWER SURFACE

(RFL47) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -0.000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = .900 ALPHA (1) = -8.616 RUN = 140,000 RN/L = 6,000 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0438 -.3647
 .020 .0438 -.9647
 .030 -.2778
 .040 -.2132
 .050 -.9880
 .060 -.2084
 .100 -.5853
 .177 -.1708
 .250 -.9885
 .274 -.1641
 .402 -.1482
 .585 -.2469
 .650 -.4962
 .750 -.6607
 .760 -.5498
 .808 -.5842
 .850 -.4053
 .857 -.5245
 .905 -.4448
 .950 -.1893
 .953 -.3738

MACH (1) = .897 ALPHA (2) = -8.467 RUN = 140,000 RN/L = 6,000 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1104 -.2045
 .020 .0438 -.9760
 .030 -.1934
 .040 -.1405
 .050 -.9659
 .060 -.1369
 .100 -.6041
 .177 -.1169
 .250 -.2401

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (1) = .897 ALPHA (2) = -8.467

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1169
.402	-.1130
.563	-.2212
.630	-.4863
.750	-.6640
.760	-.5303
.808	-.5599
.850	-.3987
.857	-.5000
.903	-.4216
.930	-.1810
.933	-.3509

MACH (1) = .897 ALPHA (3) = -4.306 RUN = 140.000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1178	-.0405
.020		-.8905
.030	-.0938	
.048	-.0657	
.050		-.8202
.065	-.0711	
.130		-.2686
.177	-.0687	
.250		-.2125
.274	-.0773	
.402	-.0836	
.563	-.1967	
.630		-.4855
.750		-.6859
.760	-.5119	
.808	-.5465	
.850		-.3337
.857	-.4774	
.903	-.4014	
.930		-.1676
.933	-.3298	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L47)

MACH (1) = .897 ALPHA (4) = -2.158 RUN = 140,000 RN/L = 6,000 BETA = -8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1143	.1104
.020		-.7992
.030	.0027	
.048	.0038	
.050		-.5496
.085	-.0066	
.150		-.1424
.177	-.0232	
.250		-.1964
.274	-.0421	
.402	-.0538	
.565	-.1709	
.650		-.4831
.750		-.6443
.760	-.4961	
.808	-.5310	
.850		-.3694
.857	-.4579	
.905	-.3780	
.950		-.1446
.953	-.3056	

MACH (1) = .897 ALPHA (5) = .027 RUN = 140,000 RN/L = 6,000 BETA = -8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1060	.2485
.020		-.4695
.030	.0612	
.048	.0566	
.050		-.2441
.085	.0433	
.150		-.0918
.177	.0165	
.250		-.1403
.274	-.0074	
.402	-.0234	
.565	-.1473	
.650		-.4801
.750		-.6333
.760	-.4949	
.808	-.5351	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (1) = .897 ALPHA (5) = .027

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP ..

Z Y / B .4360 .7710

X / C

.050 -.4018

.057 -.4407

.065 -.3616

.090 -.1483

.093 -.2880

MACH (1) = .899 ALPHA (6) = 2.169 RUN = 140.000 RIN/L = 6.000 BETA = -6.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000 .0616 .3368

.020 -.1801

.030 .0990

.048 .0985

.050 -.1273

.085 .0905

.150 -.0471

.177 .0611

.230 -.0841

.274 .0338

.402 .0122

.565 -.1186

.650 -.4707

.750 -.6427

.760 -.4983

.808 -.5494

.850 -.4291

.857 -.4562

.905 -.3542

.950 -.1678

.953 -.2748

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (1) = .899 ALPHA (7) = 4.336 RUN = 140,000 RN/L = 6,000 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0090	.3777
.020		.0281
.030	.1269	
.040	.1366	
.050		.0057
.085	.1353	
.150		-.0075
.177	.1038	
.250		-.0281
.274	.0716	
.402	.0442	
.565	-.0948	
.650		-.4518
.750		-.6329
.760	-.4989	
.808	-.5653	
.850		-.4974
.857	-.4651	
.905	-.5483	
.950		-.1800
.953	-.2681	

MACH (1) = .901 ALPHA (8) = 8.516 RUN = 140,000 RN/L = 6,000 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0986	.3669
.020		.1815
.030	.1652	
.040	.1831	
.050		.1220
.085	.1803	
.150		.0293
.177	.1397	
.250		.0233
.274	.1019	
.402	.0679	
.565	-.0771	
.650		-.4295
.750		-.6177
.760	-.4989	
.808	-.5701	

1A70 01 T12 S1 P2 P8 WING LOWER SURFACE

(RF7L47)

MACH (1) = .901 ALPHA (8) = 8.316

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE-CP

2Y/B .4360 .7710

X/C

.850 -.7409

.857 -.4757

.905 -.3446

.950 -.2427

.953 -.2617

MACH (1) = .899 ALPHA (9) = 8.650 RUN = 140.000 RN/L = 6.000 BETA = -8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.1493 .3367

.020 .2786

.030 .2067

.040 .2194

.050 .1999

.065 .2045

.150 .0581

.177 .1503

.250 .0691

.274 .1104

.402 .0742

.565 -.0728

.650 -.3969

.750 -.3972

.760 -.4962

.808 -.5642

.850 -.7978

.857 -.4981

.905 -.3611

.950 -.3094

.953 -.2725

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TABULATED PRESSURE DATA - 1A70

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1A70 . 01 712 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (2) = 1.081 ALPHA (1) = -8.888 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0603	-.2166
.020		-.7669
.030	-.1859	
.048	-.1254	
.050		-.7748
.085	-.1297	
.150		-.5264
.177	-.1260	
.250		-.9687
.274	-.1217	
.402	-.1183	
.565	-.2360	
.650		-.3559
.750		-.4661
.760	-.6065	
.808	-.6016	
.850		-.6271
.857	-.6776	
.905	-.6726	
.950		-.7491
.953	-.4999	

MACH (2) = 1.096 ALPHA (2) = -6.661 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0954	-.0468
.020		-.6960
.030	-.0806	
.048	-.0547	
.050		-.6953
.085	-.0623	
.150		-.4456
.177	-.0633	
.250		-.7046
.274	-.0693	
.402	-.0676	
.565	-.1856	
.650		-.3164
.750		-.4207
.760	-.5758	
.808	-.6726	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL47)

MACH (2) = 1.098 ALPHA (2) = -6.661

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.5899
.857	-.6340
.905	-.6512
.950	-.7172
.953	-.4713

MACH (2) = 1.109 ALPHA (3) = -4.450 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0968	.1197
.020		-.6531
.030	-.0091	
.048	-.0065	
.050		-.6421
.085	-.0165	
.150		-.3005
.177	-.0247	
.250		-.0902
.274	-.0310	
.402	-.0298	
.565	-.1433	
.650		-.2651
.750		-.5898
.760	-.5452	
.808	-.6716	
.850		-.5589
.857	-.6197	
.905	-.6209	
.950		-.6896
.953	-.4429	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (2) = 1.117 ALPHA (4) = -2.245 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1123	.2439
.020		-.6394
.030	.0394	
.048	.0341	
.050		-.5100
.085	.0226	
.150		-.0608
.177	.0102	
.250		-.0469
.274	.0039	
.402	.0031	
.565	-.1068	
.650		-.2458
.750		-.3812
.760	-.5211	
.808	-.6680	
.850		-.5523
.857	-.6193	
.905	-.5556	
.950		-.6804
.953	-.4031	

MACH (2) = 1.114 ALPHA (5) = -.005 RUN = 141.000 RN/L = 6.600 BETA = -8.647

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0986	.3481
.020		-.3441
.030	.0764	
.048	.0699	
.050		-.1215
.085	.0614	
.150		-.0216
.177	.0465	
.250		.0024
.274	.0392	
.402	.0353	
.565	-.0759	
.650		-.2554
.750		-.3878
.760	-.3053	
.808	-.6579	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(REFL47)

MACH (2) = 1.114 ALPHA (5) = -.005

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .5586

.857 -.6578

.905 -.5129

.950 -.6805

.953 -.3688

MACH (2) = 1.107 ALPHA (6) = 2.210 RUN = 141.000 RN/L = 6.600 BETA = -0.647

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0334 .4226

.020 -.0378

.030 .0906

.048 .0950

.050 .0274

.085 .0986

.150 .0249

.177 .0882

.250 .0649

.274 .0808

.402 .0744

.565 -.0418

.650 -.2459

.750 -.3851

.760 -.4884

.808 -.6423

.850 -.5544

.857 -.6643

.905 -.5198

.950 -.6723

.953 -.3537

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L47)

MACH (2) = 1.097 ALPHA (7) = 4.433 RUN = 141.000 RN/L = 6.600 BETA = -0.647

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0127	.4540
.020		.1542
.030	.1032	
.048	.1147	
.050		.1387
.065	.1237	
.150		.0552
.177	.1166	
.250		.1112
.274	.1082	
.402	.0965	
.565	-.0274	
.650		-.2203
.750		-.3647
.760	-.4838	
.808	-.6310	
.850		-.5477
.857	-.6477	
.905	-.5480	
.950		-.6813
.953	-.3661	

MACH (2) = 1.089 ALPHA (8) = 6.647 RUN = 141.000 RN/L = 6.600 BETA = -0.647

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0520	.4697
.020		.2849
.030	.1204	
.048	.1364	
.050		.2314
.065	.1497	
.150		.0798
.177	.1410	
.250		.1543
.274	.1301	
.402	.1137	
.565	-.0175	
.650		-.1979
.750		-.3453
.760	-.4722	
.808	-.6050	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RP7L47)

MACH (2) = 1.089 ALPHA (8) = 6.647

SECTION (1) WING-LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5420

.857 -.6339

.903 -.5816

.950 -.6647

.953 -.3795

MACH (2) = 1.080 ALPHA (9) = 6.655 RUN = 141.000 RIN/L = 6.600 BETA = -6.647

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0888 .4648

.020 .3797

.030 .1326

.048 .1490

.050 .3116

.085 .1611

.130 .1028

.177 .1498

.250 .1952

.274 .1346

.402 .1155

.565 -.0194

.650 -.1709

.750 -.3288

.780 -.4697

.805 -.6008

.850 -.5365

.857 -.6266

.903 -.6015

.950 -.6657

.953 -.3953

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P5

WING LOWER SURFACE

(RF7L47)

MACH (3) = 1.191 ALPHA (1) = -8.859 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0309	-.0993
.020		-.6971
.030	-.1616	
.040	-.1223	
.050		-.6948
.085	-.0864	
.150		-.4471
.177	-.1095	
.250		-.7789
.274	-.1129	
.402	-.0991	
.563	-.1867	
.650		-.2387
.750		-.3569
.760	-.5218	
.808	-.6489	
.850		-.5002
.857	-.6405	
.903	-.5820	
.950		-.6031
.953	-.4620	

MACH (3) = 1.202 ALPHA (2) = -8.616 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1077	.0218
.020		-.6506
.030	-.1125	
.040	-.0787	
.050		-.6452
.085	-.0643	
.150		-.3969
.177	-.0678	
.250		-.5889
.274	-.0742	
.402	-.0649	
.563	-.1530	
.650		-.2272
.750		-.3134
.760	-.4984	
.808	-.6236	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (3) = 1.202 ALPHA (2) = -6.616

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650		-.4697
.657	-.6330	
.905	-.5455	
.950		-.5918
.953	-.4505	

MACH (3) = 1.209 ALPHA (3) = -4.408 RUN = 77.000 RNVL = 7.156 BETA = -8.669

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0836	.1473
.020		-.6292
.030	-.0198	
.048	-.0177	
.050		-.6104
.085	-.0277	
.150		-.3137
.177	-.0329	
.250		-.1172
.274	-.0344	
.402	-.0286	
.565	-.1172	
.650		-.2017
.730		-.2898
.760	-.4785	
.808	-.6127	
.850		-.4477
.857	-.6362	
.905	-.5288	
.950		-.3793
.953	-.4222	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (3) = 1.214 ALPHA (4) = -2.171 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1093	.2660
.020		-.5722
.030	.0373	
.048	.0293	
.050		-.5120
.085	.0157	
.150		-.1068
.177	.0051	
.250		-.0682
.274	.0063	
.402	.0083	
.565	-.0821	
.650		-.1795
.750		-.2832
.760	-.4378	
.808	-.5978	
.850		-.4420
.857	-.8258	
.905	-.5159	
.950		-.5761
.953	-.4108	

MACH (3) = 1.211 ALPHA (5) = .051 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1007	.3571
.020		-.4144
.030	.0761	
.048	.0677	
.050		-.2022
.085	.0581	
.150		-.0404
.177	.0428	
.250		-.0093
.274	.0429	
.402	.0425	
.565	-.0475	
.650		-.1777
.750		-.2885
.760	-.4415	
.808	-.3859	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL47)

MACH (3) = 1.211 ALPHA (3) = .051

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850	-.4514
.857	-.6209
.903	-.5324
.930	-.5767
.953	-.3744

MACH (3) = 1.205 ALPHA (6) = 2.273 RUN = 77,000 RN/L = 7,156 BETA = -0.668

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0563	.4223
.020		-.0965
.030	.0986	
.048	.0974	
.050		.0068
.085	.0973	
.130		.0072
.177	.0961	
.230		.0717
.274	.0858	
.402	.0842	
.565	-.0096	
.630		-.1645
.750		-.2847
.760	-.4233	
.808	-.5700	
.860		-.4352
.857	-.6066	
.903	-.5340	
.930		-.5610
.953	-.3587	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (3) = 1.198 ALPHA (7) = 4.490 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0134 .4580

.020 .1177

.030 .1197

.040 .1204

.050 .1393

.065 .1361

.150 .0511

.177 .1269

.250 .1529

.274 .1237

.402 .1184

.565 .0194

.650 -.1281

.750 -.2568

.760 -.4055

.808 -.5528

.850 -.4277

.857 -.5842

.905 -.5391

.950 -.5646

.953 -.3468

MACH (3) = 1.169 ALPHA (8) = 6.704 RUN = 77.000 RN/L = 7.156 BETA = -8.668

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0291 .4600

.020 .2980

.030 .1506

.040 .1680

.050 .2828

.065 .1614

.150 .0983

.177 .1701

.250 .2105

.274 .1599

.402 .1496

.565 .0391

.650 -.1015

.750 -.2380

.760 -.3998

.805 -.5496

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(REF L47)

MACH (3) = 1.189 ALPHA (8) = 6.704

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.4197
.857	-.5746
.905	-.5721
.950	-.5851
.953	-.3632

MACH (3) = 1.175 ALPHA (9) = 8.913 RUN = 77.000 RNV/L = 7.136 BETA = -8.668

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0565	.4856
.020		.3965
.030	.1550	
.048	.1741	
.050		.3321
.085	.1884	
.130		.1087
.177	.1796	
.250		.2385
.274	.1701	
.402	.1564	
.565	.0375	
.650		-.0811
.750		-.2270
.760	-.4052	
.808	-.5521	
.830		-.4150
.857	-.3843	
.905	-.3819	
.950		-.5660
.953	-.4089	

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L47)
 MACH (4) = 1.504 ALPHA (1) = -8.884 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0545 .0137
 .020 -.4933
 .030 -.1582
 .048 -.1153
 .050 -.4934
 .085 -.1322
 .150 -.2780
 .177 -.0944
 .250 -.4913
 .274 -.0908
 .402 -.0627
 .565 -.1110
 .650 -.1598
 .750 -.2030
 .760 -.3041
 .808 -.3796
 .850 -.3116
 .857 -.4383
 .905 -.4795
 .950 -.3809
 .953 -.4030

MACH (4) = 1.504 ALPHA (2) = -6.666 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0351 .0614
 .020 -.4408
 .030 -.1244
 .048 -.0997
 .050 -.4290
 .085 -.1100
 .150 -.2484
 .177 -.0834
 .250 -.4393
 .274 -.0814
 .402 -.0515
 .565 -.1004
 .650 -.1589
 .750 -.2059
 .760 -.2967
 .808 -.3717

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (4) = 1.504 ALPHA (2) = -6.666

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.3132
.857	-.4337	
.905	-.4763	
.950		-.3630
.953	-.3734	

MACH (4) = 1.504 ALPHA (3) = -4.443 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0138	.1885
.020		-.4336
.030	-.0402	
.040	-.0466	
.050		-.4253
.065	-.0361	
.100		-.1933
.177	-.0435	
.250		-.2328
.274	-.0402	
.402	-.0222	
.565	-.0733	
.650		-.1362
.750		-.1931
.760	-.2913	
.808	-.3724	
.850		-.3067
.857	-.4299	
.905	-.4734	
.950		-.3749
.953	-.3626	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (4) = 1.504 ALPHA (4) = -2.192 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0579	.2816
.020		-.4140
.030	.0274	
.048	.0190	
.050		-.3854
.085	.0133	
.150		-.0915
.177	-.0040	
.250		-.0531
.274	-.0061	
.402	.0107	
.565	-.0418	
.650		-.1169
.750		-.1779
.760	-.2827	
.808	-.3694	
.850		-.2914
.857	-.4214	
.905	-.4673	
.950		-.3602
.953	-.3499	

MACH (4) = 1.504 ALPHA (5) = .048 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0700	.3671
.020		-.3105
.030	.0621	
.048	.0570	
.050		-.2579
.085	.0535	
.150		-.0199
.177	.0382	
.250		.0178
.274	.0369	
.402	.0529	
.565	-.0022	
.650		-.0771
.750		-.1393
.760	-.2651	
.808	-.3525	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (4) = 1.504 ALPHA (5) = .048

SECTION (1) WING LOWER SURFACE - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2541

.837 -.4082

.903 -.4361

.930 -.3363

.933 -.3547

MACH (4) = 1.504 ALPHA (6) = 2.286 RUN = 113,000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0549 .4259

.020 -.1046

.030 .0939

.048 .0937

.050 -.0222

.083 .0968

.150 .0283

.177 .0872

.250 .0789

.274 .0870

.402 .1013

.563 .0397

.650 -.0173

.730 -.1003

.760 -.2435

.808 -.3398

.850 -.2310

.857 -.3925

.903 -.4432

.930 -.3244

.933 -.4145

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L47)

MACH (4) = 1.504 ALPHA (7) = 4.524 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0248 .4632

.020 .0807

.030 .1221

.040 .1307

.050 .1154

.065 .1421

.100 .0657

.177 .1390

.250 .1345

.274 .1361

.402 .1446

.565 .0656

.650 .0371

.750 -.0363

.760 -.2291

.808 -.3255

.850 -.2000

.857 -.3799

.905 -.4324

.950 -.3037

.953 -.4411

MACH (4) = 1.504 ALPHA (8) = 6.768 RUN = 113.000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0071 .4789

.020 .2393

.030 .1468

.040 .1605

.050 .2366

.065 .1742

.100 .1025

.177 .1760

.250 .1827

.274 .1732

.402 .1764

.565 .0843

.650 .0923

.750 -.0211

.760 -.2175

.808 -.3039

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L47)

MACH (4) = 1.504 ALPHA (8) = 6.768

SECTION (1) WING LOWER SURFACE ——— DEPENDENT VARIABLE CP ———

2Y/B .4360 .7710

X/C

.850	-	.1688
.837	-	.3695
.803	-	.4212
.950	-	.2802
.933	-	.4331

MACH (4) = 1.504 ALPHA (9) = 9.013 RUN = 113,000 RN/L = 7.656 BETA = -8.713

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0200	.5045
.020		.3433
.030	.1546	
.048	.1673	
.050		.3124
.085	.1783	
.150		.1296
.177	.1825	
.250		.2183
.274	.1827	
.402	.1831	
.565	.0840	
.650		.1958
.750		.0233
.760	-.2132	
.808	-.2874	
.830		-.1492
.837	-.3524	
.905	-.3993	
.950		-.2725
.933	-.4208	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 8.000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 BOFLAP = .000
 ELV-18 = 4.000 ELV-CB = 4.000

MACH (1) = .896 ALPHA (1) = -8.565 RUN = 94,000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2734 .1963
 .020 -1.0502
 .030 -.3389
 .048 -.2443
 .050 -1.0214
 .085 -.3433
 .150 -.5354
 .177 -.1981
 .250 -.4581
 .274 -.1161
 .402 .0510
 .565 .0670
 .650 -.3182
 .750 -.3485
 .760 -.7108
 .808 -.7658
 .850 -.5885
 .857 -.4711
 .905 -.2503
 .950 -.0669
 .953 -.1612

MACH (1) = .897 ALPHA (2) = -6.407 RUN = 94,000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3760 .3309
 .020 -.8311
 .030 -.1692
 .048 -.1278
 .050 -.6810
 .085 -.1939
 .150 -.2280
 .177 -.1066
 .250 -.2070

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REFL48)

MACH (1) = .897 ALPHA (2) = -6.407

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0423
.402	.0918
.565	.0884
.650	-.3482
.750	-.3579
.760	-.7035
.808	-.7565
.850	-.6179
.857	-.4454
.905	-.2223
.950	-.0716
.953	-.1417

MACH (1) = .897 ALPHA (3) = -4.261 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4474	.4564
.020		-.8377
.030	-.0158	
.048	-.0107	
.050		-.4635
.085	-.0761	
.150		-.0828
.177	-.0275	
.250		-.0644
.274	.0204	
.402	.1256	
.565	.1013	
.650		-.3601
.750		-.4114
.760	-.7005	
.808	-.7506	
.850		-.5667
.857	-.4314	
.905	-.2009	
.950		-.0661
.953	-.1184	

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TABULATED PRESSURE DATA - IA70

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IA70 .01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (1) = .898 ALPHA (4) = -2.113 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4916	.5591
.020		-.3725
.030	.1211	
.040	.1010	
.050		-.1968
.083	.0283	
.150		-.0250
.177	.0445	
.250		-.0016
.274	.0757	
.402	.1566	
.563	.1136	
.650		-.3600
.750		-.4164
.760	-.6928	
.808	-.7245	
.850		-.5076
.857	-.4815	
.903	-.1902	
.950		-.0626
.953	-.1009	

MACH (1) = .898 ALPHA (5) = .034 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.5035	.6144
.020		-.0422
.030	.2339	
.040	.1973	
.050		-.0077
.083	.1190	
.150		.0236
.177	.1094	
.250		.0525
.274	.1252	
.402	.1857	
.563	.1249	
.650		-.3541
.750		-.3886
.760	-.6804	
.808	-.6993	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REF7L48)

MACH (1) = .898 ALPHA (5) = .054

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 . - .5823

.857 - .5363

.905 - .1898

.950 - .0705

.953 - .0949

MACH (1) = .899 ALPHA (6) = 2.213 RUN = 94,000 RN/L = 6,044 BETA = . 8.466 .

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4946 .6262

.020 .1890

.030 .3282

.048 .2813

.050 .1484

.085 .1990

.130 .0659

.177 .1693

.250 .1050

.274 .1708

.402 .2135

.565 .1385

.650 - .3309

.750 - .3526

.760 - .6658

.808 - .6904

.850 - .5803

.857 - .5776

.905 - .1894

.950 - .1526

.953 - .0982

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L48)
 MACH (1) = .899 ALPHA (7) = 4.364 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4670 .5993
 .020 .3607
 .030 .4045
 .048 .3516
 .050 .2752
 .065 .2652
 .150 .1032
 .177 .2175
 .250 .1506
 .274 .2065
 .402 .2325
 .565 .1453
 .650 -.3085
 .750 -.3254
 .760 -.6567
 .808 -.6804
 .850 -.5552
 .857 -.6284
 .905 -.2570
 .950 -.7316
 .953 -.1234

MACH (1) = .899 ALPHA (8) = 6.516 RUN = 94.000 RN/L = 6.044 BETA = 8.466

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4268 .5470
 .020 .4856
 .030 .4627
 .048 .4063
 .050 .3778
 .065 .3159
 .150 .1376
 .177 .2532
 .250 .1952
 .274 .2314
 .402 .2406
 .565 .1423
 .650 -.2804
 .750 -.2928
 .760 -.6469
 .808 -.6548

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (1) = .899 ALPHA (8) = 6.516

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830	-.5253
.857	-.5214
.905	-.3805
.950	-.7169
.953	-.1463

MACH (1) = .900 ALPHA (9) = 8.680 RUN = 94.000 RM/L = 8.044 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4207	.4995
.020		.5755
.030	.5022	
.048	.4405	
.050		.4594
.085	.3414	
.150		.1667
.177	.2704	
.250		.2355
.274	.2440	
.402	.2425	
.565	.1384	
.650		-.2466
.750		-.2498
.760	-.6322	
.808	-.6268	
.850		-.4740
.857	-.4191	
.905	-.4698	
.950		-.6302
.953	-.2066	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (2) = 1.082 ALPHA (1) = -8.758 RUN = 101.000 RN/L = 6.775 BETA = 8.646

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3436	.3823
.020		-.9199
.030	-.2292	
.048	-.1470	
.050		-.9557
.085	-.1575	
.150		-.5007
.177	-.1635	
.250		-.7435
.274	-.1039	
.402	-.1873	
.565	.2315	
.650		-.0626
.750		-.0648
.760	-.3731	
.808	-.4720	
.850		-.2774
.857	-.6389	
.905	-.7911	
.950		-.4878
.953	-.5833	

MACH (2) = 1.095 ALPHA (2) = -6.617 RUN = 101.000 RN/L = 6.775 BETA = 8.646

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4474	.4709
.020		-.8281
.030	-.0838	
.048	-.0101	
.050		-.8498
.085	-.0857	
.150		-.4204
.177	-.1003	
.250		-.1695
.274	-.0450	
.402	.1158	
.565	.2803	
.650		-.0475
.750		-.0662
.760	-.3385	
.808	-.4323	

1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(REF7L40)

MACH (2) = 1.095 ALPHA (2) = -6.817

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.630		-.2647
.657	-.6019	
.905	-.7564	
.950		-.4810
.953	-.5914	

MACH (2) = 1.106 ALPHA (3) = -4.410 RUN = 101.000 RN/L = 6.775 BETA = 8.646

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5143	.5564
.020		-.7080
.030	.0518	
.048	.0771	
.050		-.7169
.085	-.0143	
.150		-.2339
.177	-.0396	
.250		.1536
.274	.0064	
.402	.2456	
.565	.3208	
.650		-.0321
.750		-.0651
.760	-.3084	
.803	-.3976	
.850		-.2627
.857	-.5705	
.905	-.7269	
.950		-.4672
.953	-.5914	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (2) = 1.113 ALPHA (4) = -2.220 RUN = 101,000 RN/L = 6.775 BETA' = 8.846

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5589	.6364
.020		-.5306
.030	.1785	
.048	.1681	
.050		-.4258
.085	.0429	
.150		.0614
.177	.0553	
.250		.1905
.274	.1381	
.402	.3095	
.565	.3467	
.650		-.0264
.750		-.0510
.760	-.2900	
.808	-.3754	
.850		-.2609
.857	-.5511	
.905	-.7083	
.950		-.4649
.953	-.6179	

MACH (3) = 1.191 ALPHA (1) = -8.797 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3281	.4323
.020		-.7599
.030	-.2528	
.048	-.2123	
.050		-.7984
.085	-.2593	
.150		-.4222
.177	.0054	
.250		-.6636
.274	-.0292	
.402	-.1222	
.565	.2797	
.650		.0397
.750		.0618
.760	-.1903	
.808	-.2822	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (3) = 1.191 ALPHA (1) = -8.797

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.1098
.857	-.4891	
.905	-.6187	
.950		-.3362
.953	-.7126	

MACH (3) = 1.201 ALPHA (2) = -8.570 RUN = 132.000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3839	.5134
.020		-.6912
.030	-.1684	
.048	-.1519	
.080		-.7162
.095	-.2153	
.150		-.3625
.177	.0047	
.250		-.4635
.274	.0133	
.402	-.0642	
.565	.3316	
.650		.0745
.750		.0639
.760	-.1627	
.808	-.2512	
.850		-.1071
.857	-.4603	
.905	-.5925	
.950		-.3369
.953	-.6881	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (3) = 1.209 ALPHA (3) = -4.339 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4317	.6023
.020		-.5846
.030	-.0869	
.048	-.0968	
.050		-.6015
.085	-.1490	
.150		-.2820
.177	.0855	
.250		-.1177
.274	.0661	
.402	.0610	
.565	.3730	
.650		.0883
.750		.0573
.760	-.1393	
.808	-.2232	
.850		-.1138
.857	-.4386	
.905	-.5726	
.950		-.3257
.953	-.6694	

MACH (3) = 1.213 ALPHA (4) = -2.115 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4745	.6724
.020		-.4580
.030	.0169	
.048	-.0202	
.050		-.4388
.085	.0587	
.150		-.0750
.177	.0800	
.250		.1254
.274	.0864	
.402	.2907	
.565	.4005	
.650		.0949
.750		.0604
.760	-.1221	
.808	-.2020	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L40)

MACH (3) = 1.213 ALPHA (4) = -2.115

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.1209

.857 -.4233

.905 -.5567

.950 -.3321

.953 -.6570

MACH (3) = 1.210 ALPHA (5) = .143 RUN = .132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4928 .7184

.020 -.2318

.030 .2271

.048 .2531

.050 -.1216

.085 .1529

.150 .1361

.177 .1459

.250 .2900

.274 .1402

.402 .3728

.565 .4223

.650 .0843

.750 .0570

.760 -.1125

.808 -.1921

.850 -.1281

.857 -.4173

.905 -.5542

.950 -.3404

.953 -.6554

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (3) = 1.205 ALPHA (6) = 2.372 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.5601	.7794
.020		.2420
.030	.3489	
.048	.3197	
.050		.2628
.085	.1984	
.150		.1622
.177	.2063	
.250		.3448
.274	.2672	
.402	.4147	
.565	.4434	
.650		.0901
.750		.0608
.760	-.1075	
.808	-.1852	
.850		-.1282
.857	-.4161	
.905	-.5533	
.950		-.3416
.953	-.6574	

MACH (3) = 1.199 ALPHA (7) = 4.604 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.5319	.7877
.020		.4928
.030	.4406	
.048	.4061	
.050		.4447
.085	.3365	
.150		.2080
.177	.3151	
.250		.4030
.274	.3462	
.402	.4502	
.565	.4569	
.650		.0993
.750		.0706
.760	-.1036	
.808	-.1784	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL40)

MACH (3) = 1.199 ALPHA (7) = 4.604

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.850 -.1232

.837 -.4138

.905 -.5510

.950 -.3390

.953 -.6576

MACH (3) = 1.189 ALPHA (8) = 6.802 RUN = 132,000 RN/L = 7.067 BETA = 8.662

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000 .5406 .7725

.020 .6318

.030 .5373

.040 .4880

.050 .5528

.085 .4024

.150 .2298

.177 .3618

.250 .4298

.274 .3744

.402 .4509

.565 .4447

.650 .0941

.750 .0651

.760 -.1150

.808 -.1857

.850 -.1322

.837 -.4165

.905 -.5503

.950 -.3428

.953 -.6583

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L48)

MACH (3) = 1.175 ALPHA (0) = 9.014 RUN = 132.000 RN/L = 7.087 BETA = 0.662

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5629	.7398
.020		.7200
.030	.5873	
.048	.5256	
.050		.6235
.085	.4173	
.150		.2395
.177	.3575	
.250		.4442
.274	.3610	
.402	.4115	
.565	.3917	
.650		.0828
.750		.0544
.760	-.1403	
.808	-.2050	
.850		-.1436
.857	-.4200	
.905	-.5440	
.950		-.3482
.955	-.6335	

MACH (4) = 1.504 ALPHA (1) = -8.909 RUN = 108.000 RN/L = 7.556 BETA = 0.711

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3703	.6092
.020		-.4097
.030	-.0545	
.048	-.0621	
.050		-.4421
.085	-.1275	
.150		-.2167
.177	-.1078	
.250		-.3735
.274	-.1107	
.402	.0491	
.565	.2054	
.650		-.1267
.750		.0187
.760	.0670	
.808	.0012	

1A7D Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L46)

MACH (4) = 1.504 ALPHA (1) = -8.909

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		.1393
.837	-.1741	
.905	-.2941	
.950		-.0468
.953	-.3775	

MACH (4) = 1.504 ALPHA (2) = -6.644 RUN = 108.000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4049	.6503
.020		-.3694
.030	-.0155	
.048	-.0258	
.050		-.3932
.085	-.0971	
.150		-.1875
.177	-.0934	
.250		-.3203
.274	-.1044	
.402	.0422	
.565	.2316	
.650		-.0276
.750		.0897
.760	.0747	
.808	.0108	
.850		.1019
.857	-.1629	
.905	-.2860	
.950		-.0563
.953	-.3721	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8 WING LOWER SURFACE (RF7L40)

MACH (4) = 1.304 ALPHA (3) = -4.373 RUN = 100,000 RN/L = 7.356 BETA = 0.711

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4676	.8967
.020		-.3029
.030	.0426	
.048	.0147	
.050		-.3267
.085	-.0589	
.150		-.1528
.177	-.0772	
.250		-.2593
.274	-.0862	
.402	.0570	
.565	.2005	
.650		.0892
.750		.1660
.760	.0823	
.808	.0188	
.850		-.1030
.857	-.1541	
.905	-.2797	
.950		-.0615
.953	-.3665	

MACH (4) = 1.304 ALPHA (4) = -2.145 RUN = 100,000 RN/L = 7.356 BETA = 0.711

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4894	.7374
.020		-.2332
.030	.0835	
.048	.0504	
.050		-.2545
.085	.0719	
.150		-.1118
.177	-.0520	
.250		-.1539
.274	-.0660	
.402	.0780	
.565	.3877	
.650		.2095
.750		.2577
.760	.0988	
.808	.0387	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (4) = 1.504 ALPHA (4) = -2.143

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 .1286

.057 -.1384

.055 -.2674

.950 -.0532

.953 -.3566

MACH (4) = 1.504 ALPHA (5) = .111 RUN = 100,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5049 .7745

.020 -.1461

.030 .1362

.048 .1138

.050 -.1457

.065 .1012

.150 -.0387

.177 .0487

.250 -.0439

.274 .0149

.402 .1320

.565 .5030

.650 .3320

.750 .2882

.760 .1120

.808 .0574

.850 .1160

.857 -.1269

.905 -.2563

.950 -.0606

.953 -.3480

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L48)

MACH (4) = 1.504 ALPHA (6) = 2.339 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.000	.5249	.8046
.020		-.0188
.030	.2449	
.048	.2300	
.050		.0017
.085	.1207	
.150		.0382
.177	.1155	
.250		.0888
.274	.1048	
.402	.2048	
.565	.5732	
.650		.3548
.750		.2979
.760	.1280	
.808	.0827	
.850		.1122
.857	-.1112	
.905	-.2456	
.950		-.0616
.953	-.3378	

MACH (4) = 1.504 ALPHA (7) = 4.566 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5556	.8426
.020		.1916
.030	.3254	
.048	.2759	
.050		.2064
.085	.1712	
.150		.0814
.177	.1573	
.250		.2128
.274	.1537	
.402	.2994	
.565	.6157	
.650		.3448
.750		.2979
.760	.1470	
.808	.1038	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL48)

MACH (4) = 1.504 ALPHA (7) = 4.586

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .1079

.857 -.0946

.905 -.2301

.950 -.0604

.953 -.3239

MACH (4) = 1.504 ALPHA (8) = 6.822 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5834 .8754

.020 .4169

.030 .3765

.048 .3276

.050 .3868

.085 .2236

.150 .2221

.177 .2095

.250 .5663

.274 .4079

.402 .4697

.565 .6102

.650 .3221

.750 .2836

.760 .1401

.808 .0956

.850 .0975

.857 -.0985

.905 -.2314

.950 -.0647

.953 -.3246

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RP7L48)

MACH (4) = 1.504 ALPHA (9) = 9.067 RUN = 108,000 RN/L = 7.556 BETA = 8.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.6379	.8763
.020		.6861
.030	.4404	
.048	.4019	
.050		.6116
.085	.3162	
.150		.2948
.177	.3508	
.250		.5544
.274	.3261	
.402	.4532	
.565	.5304	
.650		.2955
.750		.2672
.760	.1124	
.808	.0777	
.850		.0885
.857	-.1048	
.905	-.2245	
.950		-.0705
.953	-.3069	

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WING LOWER SURFACE

(RF7L49) (25 SEP 74 1

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 4.000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 BDFLAP = .000
 ELV-1B = 4.000 ELV-CB = 4.000

MACH (1) = .900 ALPHA (1) = -8.517 RUN = 135.000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1795 .0590
 .020 -1.1026
 .030 -.4010
 .040 -.3077
 .050 -1.0898
 .060 -.3723
 .100 -.5832
 .177 -.2478
 .250 -.8817
 .274 -.1908
 .402 -.0223
 .565 .0044
 .650 -.3473
 .750 -.3796
 .760 -.6638
 .800 -.7389
 .850 -.5940
 .857 -.5071
 .905 -.3132
 .950 -.1369
 .953 -.2085

MACH (1) = .899 ALPHA (2) = -6.349 RUN = 135.000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2900 .1979
 .020 -1.0263
 .030 -.2447
 .040 -.1899
 .050 -.9964
 .060 -.2572
 .100 -.4295
 .177 -.1648
 .250 -.0108

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RF7L49)

MACH (1) = .899 ALPHA (2) = -6.349

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1140	
.402	.0254	
.565	.0291	
.650		-.3786
.750		-.4133
.760	-.6472	
.808	-.7214	
.850		-.5863
.857	-.5330	
.905	-.2713	
.950		-.1346
.953	-.1670	

MACH (1) = .896 ALPHA (3) = -4.221 RUN = 135,000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3728	.3302
.020		-.8936
.030	-.0986	
.048	-.0826	
.050		-.6296
.085	-.1420	
.150		-.1357
.177	-.0898	
.250		-.1124
.274	-.0499	
.402	.0601	
.565	.0456	
.650		-.3899
.750		-.4293
.760	-.6372	
.808	-.6948	
.850		-.6215
.857	-.5607	
.905	-.2428	
.950		-.1092
.953	-.1377	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (1) = .897 ALPHA (4) = -2.072 RUN = 135,000 RN/L = 3,989 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4270 .4321

.020 .5436

.030 .0386

.048 .0270

.050 -.2532

.065 -.0379

.150 -.0567

.177 -.0177

.250 -.0514

.274 .0085

.402 .0923

.565 .0592

.650 -.3670

.750 -.4292

.760 -.6366

.808 -.6762

.850 -.5656

.857 -.5495

.905 -.2296

.950 -.0929

.953 -.1231

MACH (1) = .898 ALPHA (5) = .109 RUN = 135,000 RN/L = 3,989 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4532 .5315

.020 .1658

.030 .1557

.048 .1252

.050 -.1024

.065 .0542

.150 -.0030

.177 .0482

.250 .0065

.274 .0653

.402 .1232

.565 .0725

.650 -.3766

.750 -.3910

.760 -.6264

.808 -.6680

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TABULATED PRESSURE DATA - 1A70

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. 1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (1) = .898 ALPHA (5) = .109

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.6011
.857 -.5514
.905 -.2294
.950 -.0974
.953 -.1137

MACH (1) = .899 ALPHA (6) = 2.258 RUN = 135,000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4488 .5580
.020 .0921
.030 .2578
.040 .2146
.050 .0708
.065 .1386
.150 .0405
.177 .1096
.250 .0587
.274 .1074
.402 .1495
.565 .0803
.650 -.3579
.750 -.3767
.760 -.6109
.808 -.6450
.850 -.5948
.857 -.5324
.905 -.2499
.950 -.1389
.953 -.1141

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (1) = .899 ALPHA (7) = 4.413 RUN = 135,000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4197 .5371

.020 .2772

.030 .3403

.040 .2903

.050 .2080

.085 .2099

.150 .0800

.177 .1629

.250 .1035

.274 .1489

.402 .1716

.565 .0822

.650 -.3435

.750 -.3532

.760 -.6001

.808 -.5336

.850 -.5690

.857 -.5018

.905 -.3759

.950 -.5074

.955 -.1348

MACH (1) = .899 ALPHA (8) = 6.559 RUN = 135,000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3955 .4986

.020 .4079

.030 .3904

.040 .3368

.050 .3140

.085 .2536

.150 .1139

.177 .1987

.250 .1501

.274 .1789

.402 .1899

.565 .0900

.650 -.3172

.750 -.3262

.760 -.5902

.808 -.5399

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TABULATED PRESSURE DATA - 1A70

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1A70 C1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL49)

MACH (1) = .899 ALPHA (8) = 6.359

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5443
.857 -.4767
.905 -.4478
.950 -.7233
.953 -.1690

MACH (1) = .899 ALPHA (9) = 8.716 RUN = 135.000 RN/L = 5.989 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3604 .4491
.020 .5084
.030 .4195
.048 .3650
.050 .4011
.085 .2808
.150 .1439
.177 .2188
.250 .1921
.274 .1911
.402 .1885
.565 .0779
.650 -.2861
.750 -.2876
.760 -.5810
.808 -.5136
.850 -.5033
.857 -.4582
.905 -.4880
.950 -.6752
.953 -.2029

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L49)

MACH (2) = 1.090 ALPHA (1) = -8.743 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2680	.2799
.020		-.9562
.030	-.2325	
.040	-.1570	
.050		-.9939
.085	-.1690	
.150		-.5157
.177	-.1759	
.250		-.5299
.274	-.1139	
.402	-.1337	
.565	.1578	
.650		-.0998
.750		-.1310
.760	-.4048	
.808	-.5002	
.850		-.2957
.857	-.6574	
.905	-.8050	
.950		-.5173
.953	-.8300	

MACH (2) = 1.102 ALPHA (2) = -6.532 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3785	.3712
.020		-.8694
.030	-.0752	
.040	-.0505	
.050		-.8867
.085	-.1092	
.150		-.4197
.177	-.1001	
.250		-.3198
.274	-.0675	
.402	.0412	
.565	.2009	
.650		-.0622
.750		-.1041
.760	-.3786	
.808	-.4757	

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WING LOWER SURFACE

(RF7L49)

MACH (2) = 1.102 ALPHA (2) = -6.532

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.030 -.2773
.057 -.6252
.903 -.7703
.950 -.4900
.953 -.5838

MACH (2) = 1.118 ALPHA (3) = -4.344 RUN = 100.000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4356 .4673
.020 -.7360
.030 .0214
.048 .0412
.050 -.7259
.085 -.0412
.150 -.1478
.177 -.0071
.250 .0362
.274 -.0146
.402 .1428
.563 .2454
.650 -.0484
.750 -.0945
.760 -.3428
.808 -.4331
.850 -.2785
.857 -.5883
.903 -.7369
.950 -.4801
.953 -.5894

1A70 O1 T12 S1 P2 P6

WING LOWER SURFACE

(RFTL49)

MACH (2) = 1.125 ALPHA (4) = -2.146 RUN = 100,000 RN/L = 6,700 BETA = 4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4709	.3470
.020		-.5861
.030	.1225	
.040	.1188	
.050		-.5074
.065	.0170	
.150		.0553
.177	.0537	
.250		.2016
.274	.0282	
.402	.2322	
.565	.2877	
.650		-.0489
.750		-.0851
.760	-.3153	
.808	-.4016	
.850		-.2775
.857	-.5631	
.905	-.7156	
.950		-.4760
.953	-.6293	

MACH (2) = 1.125 ALPHA (5) = .057 RUN = 100,000 RN/L = 6,700 BETA = 4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4851	.6345
.020		-.0536
.030	.2354	
.040	.2079	
.050		.0639
.065	.0997	
.150		.1085
.177	.0961	
.250		.2234
.274	.1519	
.402	.2826	
.565	.3097	
.650		-.0474
.750		-.0720
.760	-.3071	
.808	-.3904	

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TABULATED PRESSURE DATA - 1A70

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-- 1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (2) = 1.125 ALPHA (5) = .057

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.2808
.057 -.5569
.905 -.7119
.950 -.4789
.953 -.5324

MACH (2) = 1.116 ALPHA (6) = 2.272 RUN = 100,000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4842 .6878
.020 .2550
.030 .3449
.040 .3036
.050 .2485
.065 .2242
.150 .1522
.177 .1943
.250 .2764
.274 .2203
.402 .3175
.565 .3230
.650 -.0499
.750 -.0688
.760 -.3107
.808 -.3902
.850 -.2871
.857 -.5628
.905 -.7201
.950 -.4875
.953 -.4865

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(REFL49)

MACH (2) = 1.104 ALPHA (7) = 4.481 RUN = 100.000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4500	.6591
.020		.4410
.030	.4364	
.048	.3889	
.050		.3868
.085	.3089	
.150		.1762
.177	.2604	
.250		.3076
.274	.2642	
.402	.3265	
.565	.3097	
.650		-.0574
.750		-.0726
.760	-.3288	
.808	-.4055	
.850		-.2981
.857	-.5783	
.905	-.7352	
.950		-.4993
.953	-.4501	

MACH (2) = 1.094 ALPHA (8) = 6.657 RUN = 100.000 RN/L = 6.700 BETA = 4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3994	.6408
.020		.5566
.030	.4895	
.048	.4411	
.050		.4750
.085	.3612	
.150		.1938
.177	.3016	
.250		.3376
.274	.2912	
.402	.3327	
.565	.2998	
.650		-.0591
.750		-.0736
.760	-.3400	
.808	-.4104	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P5

WING LOWER SURFACE

(RF7L49)

MACH (2) = 1.094 ALPHA (8) = 6.657

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.030 -.3043
.057 -.5857
.095 -.7387
.050 -.5025
.053 -.4516

MACH (2) = 1.086 ALPHA (9) = 8.839 RUN = 100,000 RN/L = 6,700 BETA = 4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3306 .6120
.020 .6472
.030 .5258
.048 .4792
.050 .5513
.085 .3968
.150 .2134
.177 .3243
.250 .3681
.274 .3051
.402 .3290
.563 .2840
.650 -.0547
.750 -.0668
.760 -.3493
.808 -.4115
.850 -.3035
.857 -.5853
.905 -.7295
.950 -.5020
.953 -.5020

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RETL49)

MACH (3) = 1.196 ALPHA (1) = -8.710 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2084	.2936
.020		-.7914
.030	-.3079	
.048	-.2306	
.050		-.8263
.085	-.1654	
.150		-.4393
.177	-.1248	
.250		-.6073
.274	-.0711	
.402	-.1746	
.565	.1911	
.650		.0096
.750		-.0152
.760	-.2349	
.808	-.3210	
.850		-.1694
.857	-.5150	
.905	-.6393	
.950		-.3722
.953	-.7283	

MACH (3) = 1.209 ALPHA (2) = -6.491 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2699	.4041
.020		-.7226
.030	-.2312	
.048	-.1915	
.050		-.7506
.085	-.1020	
.150		-.3751
.177	-.0593	
.250		-.3644
.274	-.0233	
.402	-.0966	
.565	.2374	
.650		.0315
.750		.0077
.760	-.2028	
.808	-.2879	

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (3) = 1.209 ALPHA (2) = -6.491

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.630 -.1303
.637 -.4851
.903 -.6107
.950 -.3562
.953 -.7002

MACH (3) = 1.216 ALPHA (3) = -4.253 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3482 .4999
.020 -.6237
.030 -.1107
.048 -.1042
.050 -.6365
.083 .0341
.150 -.2900
.177 .0133
.250 -.1527
.274 .0011
.402 -.0313
.565 .2901
.630 .0594
.750 .0236
.760 -.1770
.808 -.2617
.850 -.1420
.857 -.4811
.905 -.5698
.950 -.3470
.953 -.6805

1A70. 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (3) = 1.220 ALPHA (4) = -2.047 RUN = 131,000 RN/L = 7,100 BETA = 4,332

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4008	.5777
.020		-.5010
.030	-.0062	
.048	.0276	
.050		-.4797
.085	.0502	
.150		-.0850
.177	.0536	
.250		-.1050
.274	.0429	
.402	.1488	
.565	.3339	
.650		.0709
.750		.0341
.760	-.1528	
.808	-.2343	
.850		-.1432
.857	-.4414	
.905	-.5723	
.950		-.3517
.953	-.8657	

MACH (3) = 1.219 ALPHA (5) = .188 RUN = 131,000 RN/L = 7,100 BETA = 4,332

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.4185	.6332
.020		-.2756
.030	.1570	
.048	.1692	
.050		-.1598
.085	.1490	
.150		-.0412
.177	.0901	
.250		.2884
.274	.1162	
.402	.2775	
.565	.3641	
.650		.0551
.750		.0317
.760	-.1385	
.808	-.2167	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (3) = 1.219 ALPHA (5) = .188

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1490
.857 -.4319
.903 -.5633
.950 -.3607
.953 -.6615

MACH (3) = 1.211 ALPHA (6) = 2.393 RUN = 131,000 RN/L = 7.100 BETA = 4.332

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4795 .6744
.020 .0405
.030 .3241
.048 .2989
.050 .1626
.085 .1783
.150 .1383
.177 .1760
.250 .3038
.274 .1524
.402 .3350
.565 .3752
.650 .0568
.750 .0352
.760 -.1348
.808 -.2104
.850 -.1490
.857 -.4317
.903 -.5671
.950 -.3639
.953 -.6658

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (REFL49)

MACH (3) = 1.203 ALPHA (7) = 4.581 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZV/B .4360 .7710

X/C

.000	.4622	.7011
.020		.3961
.030	.4036	
.048	.3589	
.050		.3592
.085	.2677	
.150		.1770
.177	.2206	
.250		.3482
.274	.2433	
.402	.3444	
.565	.3675	
.650		.0584
.750		.0349
.760	-.1418	
.808	-.2143	
.850		-.1534
.857	-.4364	
.905	-.5717	
.950		-.3687
.953	-.6724	

MACH (3) = 1.194 ALPHA (8) = 6.789 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZV/B .4360 .7710

X/C

.000	.3962	.6970
.020		.5529
.030	.4574	
.048	.4178	
.050		.4836
.085	.3459	
.150		.2035
.177	.2862	
.250		.3839
.274	.2857	
.402	.3513	
.565	.3542	
.650		.0576
.750		.0343
.760	-.1509	
.808	-.2187	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (3) = 1.194 ALPHA (8) = 6.789

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.1565
.857 -.4419
.905 -.5763
.950 -.3714
.953 -.6789

MACH (3) = 1.182 ALPHA (9) = 8.971 RUN = 131.000 RN/L = 7.100 BETA = 4.332

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3798 .6723
.020 .6626
.030 .5051
.048 .4613
.050 .5747
.085 .3813
.150 .2225
.177 .3125
.250 .4123
.274 .3018
.402 .3466
.565 .3308
.650 .0535
.750 .0322
.760 -.1666
.808 -.2306
.850 -.1618
.857 -.4475
.905 -.5782
.950 -.3712
.953 -.6821

1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L49)

MACH (4) = 1.304 ALPHA (1) = -8.863 RUN = 109,000 RN/L = 7.536 BETA = 4.356

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2480	.4491
.020		-.4572
.030	-.2024	
.048	-.1615	
.050		-.4906
.065	-.1717	
.150		-.2478
.177	-.1855	
.250		-.4382
.274	-.1573	
.402	.0076	
.565	.0848	
.650		-.2442
.750		-.0607
.760	-.0011	
.808	-.0539	
.850		.0670
.857	-.2213	
.905	-.3320	
.950		-.1040
.953	-.4116	

MACH (4) = 1.304 ALPHA (2) = -8.600 RUN = 109,000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3081	.5141
.020		-.4277
.030	-.1183	
.048	-.1032	
.050		-.4569
.085	-.1407	
.150		-.2249
.177	-.1531	
.250		-.3917
.274	-.1480	
.402	.0199	
.565	.1201	
.650		-.1292
.750		.0432
.760	.0120	
.808	-.0435	

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (4) = 1.504 ALPHA (2) = -6.600

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050		.0544
.057	-.2144	
.905	-.3274	
.950		-.1096
.953	-.4080	

MACH (4) = 1.504 ALPHA (3) = -4.390 RUN = 109,000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3448	.5584
.020		-.3787
.030	-.0498	
.048	-.0607	
.050		-.4003
.065	-.0958	
.150		-.1905
.177	-.1282	
.250		-.3313
.274	-.1235	
.402	.0396	
.565	.1926	
.650		.0125
.750		.1590
.760	.0232	
.808	-.0312	
.850		.0832
.857	-.2035	
.905	-.3193	
.950		-.0932
.953	-.4008	

1A70 01 T12 S1 P2 P8 WING LOWER SURFACE (RF7L49)

MACH (4) = 1.504 ALPHA (4) = -2.150 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.3769	.6032
.020		-.3030
.030	.0094	
.048	-.0134	
.050		-.3273
.085	-.0244	
.150		-.1492
.177	-.0890	
.250		-.2302
.274	-.0835	
.402	.0614	
.565	.3070	
.630		.2090
.750		.2325
.760	.0440	
.808	-.0051	
.850		.0872
.857	-.1825	
.905	-.3031	
.950		-.0905
.953	-.3869	

MACH (4) = 1.504 ALPHA (5) = .095 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.4025	.6746
.020		-.1975
.030	.0716	
.048	.0492	
.050		-.1980
.085	.0396	
.150		-.0592
.177	.0006	
.250		-.0933
.274	.0145	
.402	.0953	
.565	.3946	
.630		.3031
.750		.2586
.760	.0659	
.808	.0220	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (4) = 1.504 ALPHA (5) = .095

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 .0899
.857 -.1622
.905 -.2879
.950 -.0861
.953 -.3751

MACH (4) = 1.504 ALPHA (6) = 2.315 RUN = 109.000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4242 .7108
.020 -.0690
.030 .1976
.048 .1923
.050 -.0448
.085 .0713
.150 .0173
.177 .0702
.250 .0275
.274 .0933
.402 .1567
.565 .4594
.650 .3292
.750 .2644
.760 .0828
.808 .0454
.850 .0862
.857 -.1463
.905 -.2760
.950 -.0854
.953 -.3648

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (4) = 1.804 ALPHA (7) = 4.537 RUN = 109,000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4556	.7410
.020		.1632
.030	.2652	
.048	.2171	
.050		.1677
.085	.1353	
.150		.0750
.177	.1319	
.250		.2596
.274	.2139	
.402	.2590	
.565	.4665	
.650		.3233
.750		.2662
.760	.0908	
.808	.0595	
.850		.0801
.857	-.1355	
.905	-.2671	
.950		-.0887
.953	-.3566	

MACH (4) = 1.504 ALPHA (8) = 6.779 RUN = 109,000 RN/L = 7.556 BETA = 4.356

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4527	.7661
.020		.3936
.030	.3456	
.048	.3305	
.050		.3647
.085	.2490	
.150		.1610
.177	.2524	
.250		.2869
.274	.2815	
.402	.2549	
.565	.4699	
.650		.3086
.750		.2610
.760	.0822	
.808	.0533	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L49)

MACH (4) = 1.504 ALPHA (8) = 6.779

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 .0696
.057 -.1362
.903 -.2656
.950 -.0959
.953 -.3543

MACH (4) = 1.504 ALPHA (9) = 9.010 RUN = 109,000 RN/L = 7.556 BETA = 4.356

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4905 .7834
.020 .5906
.030 .4026
.048 .3778
.050 .5260
.085 .2976
.150 .2204
.177 .3218
.250 .3635
.274 .2656
.402 .2325
.565 .4456
.650 .2321
.750 .2200
.760 .0738
.808 .0491
.850 .0463
.857 -.1372
.903 -.2626
.950 -.1092
.953 -.3488

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BRPF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 BDFLAP = .000
 ELV-18 = 4.000 ELV-C8 = 4.000

MACH (1) = .898 ALPHA (1) = -8.469 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1026 -.0951
 .020 -1.0913
 .030 -.4012
 .048 -.3053
 .050 -1.0781
 .085 -.3461
 .150 -.6056
 .177 -.2354
 .250 -.9317
 .274 -.1943
 .402 -.1166
 .565 -.1259
 .650 -.4020
 .750 -.4497
 .760 -.7042
 .808 -.6667
 .850 -.6171
 .857 -.6500
 .905 -.3627
 .950 -.1460
 .953 -.2384

MACH (1) = .898 ALPHA (2) = -8.312 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2188 .0623
 .020 -1.0937
 .030 -.2581
 .048 -.1978
 .050 -1.0750
 .085 -.2507
 .150 -.5255
 .177 -.1719
 .250 -.0509

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L50)

MACH (1) = .898 ALPHA (2) = -8.312

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1336	
.402	-.0532	
.565	-.1009	
.650		-.4336
.750		-.5106
.760	-.6926	
.808	-.6479	
.850		-.5339
.857	-.6126	
.905	-.3271	
.950		-.1555
.953	-.2170	

MACH (1) = .897 ALPHA (3) = -4.176 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3080	.2011
.020		-.8328
.030	-.1238	
.048	-.1004	
.050		-.6808
.085	-.1531	
.150		-.2236
.177	-.1088	
.250		-.1604
.274	-.0819	
.402	-.0114	
.565	-.0763	
.650		-.4392
.750		-.5153
.760	-.6817	
.808	-.6323	
.850		-.5050
.857	-.5745	
.905	-.3005	
.950		-.1559
.953	-.1928	

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L50)

MACH (1) = .897 ALPHA (4) = -2.037 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3691	.3389
.020		-.7084
.030	-.0014	
.048	-.0047	
.050		-.3351
.085	-.0648	
.150		-.0980
.177	-.0475	
.250		-.1004
.274	-.0308	
.402	.0235	
.565	-.0536	
.650		-.4405
.750		-.5165
.760	-.6777	
.808	-.6243	
.850		-.4096
.857	-.5484	
.905	-.2859	
.950		-.1317
.953	-.1735	

MACH (1) = .897 ALPHA (5) = .119 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3997	.4396
.020		-.2950
.030	.1140	
.048	.0890	
.050		-.1867
.085	.0222	
.150		-.0432
.177	.0104	
.250		-.0475
.274	.0142	
.402	.0493	
.565	-.0409	
.650		-.4397
.750		-.4985
.760	-.6633	
.808	-.5755	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (1) = .897 ALPHA (5) = .119

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.6067

.857 -.5467

.905 -.2983

.950 -.1280

.953 -.1546

MACH (1) = .898 ALPHA (6) = 2.242 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3971 .4799

.020 -.0089

.030 .2084

.048 .1700

.050 -.0104

.085 .0976

.150 .0034

.177 .0642

.250 .0081

.274 .0553

.402 .0750

.565 -.0272

.650 -.4289

.750 -.4679

.760 -.6518

.808 -.5354

.850 -.6509

.857 -.5508

.905 -.3284

.950 -.1634

.953 -.1673

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L50)

MACH (1) = .899 ALPHA (7) = 4.393 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3753	.4754
.020		.1785
.030	.2815	
.040	.2360	
.050		.1294
.085	.1597	
.150		.0427
.177	.1108	
.250		.0518
.274	.0928	
.402	.1016	
.565	-.0087	
.650		-.4097
.750		-.4408
.760	-.6554	
.808	-.5171	
.850		-.6253
.857	-.5511	
.905	-.3847	
.950		-.2915
.953	-.1761	

MACH (1) = .899 ALPHA (8) = 6.528 RUN = 95.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3406	.4351
.020		.3091
.030	.3274	
.040	.2798	
.050		.2283
.085	.2017	
.150		.0719
.177	.1440	
.250		.0934
.274	.1198	
.402	.1171	
.565	-.0011	
.650		-.3858
.750		-.4116
.760	-.6679	
.808	-.5210	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (1) = .898 ALPHA (8) = 8.528

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.5963
.837 -.5384
.905 -.4481
.950 -.7234
.953 -.1950

MACH (1) = .900 ALPHA (9) = 8.667 RUN = 93.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2944 .3717
.020 .4184
.030 .3568
.048 .3082
.050 .3218
.085 .2305 .1066
.150 .1701
.177 .1427
.274 .1288
.402 .0010
.565 -.3321
.650 -.3598
.760 -.6530
.808 -.4595
.850 -.5533
.857 -.5077
.905 -.5482
.950 -.7074
.953 -.2310

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REF7L50)

MACH (2) = 1.091 ALPHA (1) = -0.732 RUN = 99,000 RN/L = 6.670 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2077	.1137
.020		-.9803
.030	-.1938	
.040	-.1382	
.050		-.9470
.060	-.1843	
.150		-.4673
.177	-.1441	
.250		-.7482
.274	-.1353	
.402	-.0580	
.563	-.0578	
.650		-.1511
.750		-.1948
.760	-.5080	
.808	-.5931	
.850		-.3542
.857	-.6771	
.905	-.7839	
.950		-.5535
.953	-.5591	

MACH (2) = 1.105 ALPHA (2) = -6.541 RUN = 99,000 RN/L = 6.670 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3121	.2847
.020		-.9189
.030	-.0867	
.040	-.0683	
.050		-.9157
.060	-.1148	
.150		-.3550
.177	-.0858	
.250		-.3284
.274	-.0711	
.402	.0186	
.563	.0030	
.650		-.1162
.750		-.1569
.760	-.4723	
.808	-.5329	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (2) = 1.105 ALPHA (2) = -6.541

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3284
.857 -.6508
.905 -.7588
.950 -.5547
.953 -.5098

MACH (2) = 1.120 ALPHA (3) = -4.352 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3730 .3563
.020 -.7955
.030 .0059
.048 .0147
.050 -.7740
.085 -.0583
.150 -.1541
.177 -.0278
.250 -.1417
.274 -.0266
.402 .0556
.565 .0561
.650 -.0800
.750 -.1292
.760 -.4391
.808 -.5149
.850 -.3107
.857 -.6170
.905 -.7261
.950 -.5132
.953 -.4657

1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L50)

MACH (2) = 1.133 ALPHA (4) = -2.164 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4095	.4411
.020		-.6349
.030	.1019	
.048	.0963	
.050		-.5593
.085	.0115	
.150		-.0663
.177	.0304	
.250		.1113
.274	.0266	
.402	.1049	
.565	.1098	
.650		-.0838
.750		-.1267
.760	-.4052	
.808	-.4785	
.850		-.3133
.857	-.5910	
.905	-.7052	
.950		-.5096
.953	-.4874	

MACH (2) = 1.138 ALPHA (5) = .031 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4419	.5151
.020		-.3282
.030	.1964	
.048	.1711	
.050		-.2026
.085	.0711	
.150		.1097
.177	.0875	
.250		.1754
.274	.0812	
.402	.1649	
.565	.1626	
.650		-.0770
.750		-.1099
.760	-.3744	
.808	-.4476	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (2) = 1.138 ALPHA (5) = .031

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.3066
.857 -.5789
.905 -.7108
.950 -.5009
.953 -.5052

MACH (2) = 1.129 ALPHA (6) = 2.221 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4248 .5924
.020 .1077
.030 .2902
.048 .2524
.050 .1350
.085 .1758
.150 .1201
.177 .1399
.250 .2162
.274 .1469
.402 .2045
.565 .1762
.650 -.0797
.750 -.1063
.760 -.3778
.800 -.4471
.850 -.3112
.857 -.5861
.905 -.7260
.950 -.5074
.953 -.4852

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RP7L50)

MACH (2) = 1.120 ALPHA (7) = 4.395 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP__

ZY/B .4360 .7710

X/C

.000 .3803 .6056

.020 .3344

.030 .3713

.048 .3273

.050 .2992

.085 .2518

.150 .1316

.177 .1901

.250 .2555

.274 .1808

.402 .2174

.565 .1699

.650 -.0870

.730 -.1122

.760 -.3961

.808 -.4607

.850 -.3233

.857 -.5999

.905 -.7393

.950 -.5203

.953 -.4661

MACH (2) = 1.110 ALPHA (8) = 6.592 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3290 .5950

.020 .4589

.030 .4153

.048 .3705

.050 .3927

.085 .2929

.150 .1711

.177 .2230

.250 .2962

.274 .2056

.402 .2245

.565 .1643

.650 -.0846

.750 -.1082

.760 -.4072

.808 -.4649

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (2) = 1.110 ALPHA (8) = 6.592

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

XY/B .4360 .7710

X/C

.650 -.3280
.657 -.6058
.905 -.7415
.950 -.5266
.953 -.4595

MACH (2) = 1.104 ALPHA (9) = 8.753 RUN = 99.000 RN/L = 6.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

XY/B .4360 .7710

X/C

.000 .2292 .5743
.020 .5455
.030 .4028
.048 .3646
.050 .4606
.085 .2951
.150 .1859
.177 .2293
.250 .3101
.274 .2082
.402 .2099
.565 .1333
.650 -.0838
.750 -.1081
.760 -.4277
.808 -.4798
.850 -.3323
.857 -.6122
.905 -.7370
.950 -.5256
.953 -.4481

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (3) = 1.201 ALPHA (1) = -8.766 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1325	.1765
.020		-.8188
.030	-.2552	
.048	-.1920	
.050		-.8317
.085	-.2028	
.150		-.4273
.177	-.1438	
.250		-.5541
.274	-.1406	
.402	-.0644	
.565	-.0256	
.650		-.0730
.750		-.0856
.760	-.3469	
.808	-.4319	
.850		-.2322
.857	-.5429	
.905	-.6341	
.950		-.4086
.953	-.6598	

MACH (3) = 1.213 ALPHA (2) = -8.491 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2303	.2970
.020		-.7565
.030	-.1329	
.048	-.1048	
.050		-.7845
.085	-.1361	
.150		-.3922
.177	-.0568	
.250		-.3957
.274	-.0653	
.402	.0046	
.565	.0062	
.650		-.0208
.750		-.0392
.760	-.3186	
.808	-.4078	

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1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RFTL30)

MACH (3) = 1.213 ALPHA (2) = -8.491

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.1861
.057 -.5242
.905 -.6138
.950 -.3943
.953 -.6476

MACH (3) = 1.220 ALPHA (3) = -4.298 RUN = 130,000 RN/L = 7.178 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3573 .3774
.020 -.6756
.030 .0029
.048 -.0022
.050 -.6980
.085 -.0487
.150 -.2847
.177 -.0226
.250 -.1989
.274 -.0079
.402 .0595
.565 .0533
.650 .0173
.750 -.0142
.760 -.2965
.808 -.3866
.850 -.1787
.857 -.5130
.905 -.6031
.950 -.3856
.953 -.6334

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (3) = 1.224 ALPHA (4) = -2.072 RUN = 130.000 RN/L = 7.178 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3957	.4675
.020		-.5486
.030	.1030	
.048	.0897	
.050		-.5170
.085	.0165	
.150		-.1154
.177	.0455	
.250		-.0600
.274	.0333	
.402	.1061	
.565	.1041	
.650		.0345
.750		-.0021
.760	-.2739	
.808	-.3621	
.850		-.1792
.857	-.4975	
.905	-.5944	
.950		-.3840
.953	-.6623	

MACH (3) = 1.226 ALPHA (5) = .131 RUN = 130.000 RN/L = 7.178 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4168	.5332
.020		-.3329
.030	.1856	
.048	.1660	
.050		-.2077
.085	.0889	
.150		-.0435
.177	.0959	
.250		.0456
.274	.0756	
.402	.1494	
.565	.1720	
.650		.0360
.750		.0021
.760	-.2445	
.808	-.3258	

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1A70 Q1 T12 S1 P2 P5

WING LOWER SURFACE

(RF7L50)

MACH (3) = 1.226 ALPHA (5) = .131

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1011

.857 -.4764

.905 -.5876

.950 -.3883

.953 -.8627

MACH (3) = 1.218 ALPHA (6) = 2.334 RUN = 130.000 RN/L = 7.178 BETA = .000

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4129 .5858

.020 -.0439

.030 .2659

.048 .2343

.050 .0150

.085 .1433

.150 .0299

.177 .1358

.250 .2864

.274 .1298

.402 .1670

.563 .2019

.650 .0221

.750 -.0030

.760 -.2342

.808 -.3161

.850 -.1872

.857 -.4766

.905 -.5989

.950 -.3941

.953 -.8811

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L30)

MACH (3) = 1.210 ALPHA (7) = 4.543 RUN = 130.000 RN/L = 7.176 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3695	.5931
.020		.2448
.030	.3527	
.046	.3124	
.050		.2309
.065	.2323	
.150		.1315
.177	.1733	
.250		.2809
.274	.1640	
.402	.2151	
.565	.1969	
.650		.0164
.750		-.0035
.760	-.2488	
.808	-.3297	
.850		-.1929
.857	-.4903	
.905	-.6100	
.950		-.4020
.953	-.6916	

MACH (3) = 1.204 ALPHA (8) = 6.749 RUN = 130.000 RN/L = 7.176 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3154	.6095
.020		.4375
.030	.3926	
.046	.3535	
.050		.3793
.065	.2806	
.150		.1651
.177	.2117	
.250		.3209
.274	.2032	
.402	.2341	
.565	.1949	
.650		.0227
.750		-.0007
.760	-.2549	
.808	-.3305	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (3) = 1.204 ALPHA (8) = 6.749

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1911
.857 -.4908
.905 -.6082
.950 -.4026
.953 -.8835

MACH (3) = 1.195 ALPHA (9) = 8.933 RUN = 130.000 RN/L = 7.178 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1896 .6003
.020 .5577
.030 .3797
.048 .3484
.050 .4808
.085 .2884
.150 .1862
.177 .2268
.250 .3512
.274 .2081
.402 .2196
.565 .1582
.650 .0189
.750 -.0031
.760 -.2796
.808 -.3515
.850 -.1949
.857 -.5008
.905 -.6125
.950 -.4032
.953 -.6357

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L50)

MACH (4) = 1.504 ALPHA (1) = -8.757 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1355	.2912
.020		-.4925
.030	-.2638	
.048	-.1674	
.050		-.5233
.065	-.1968	
.150		-.2707
.177	-.1819	
.250		-.4804
.274	-.1111	
.402	-.0203	
.565	.0323	
.650		-.2046
.750		.1217
.760	-.1358	
.808	-.1792	
.850		-.0683
.857	-.2944	
.905	-.3805	
.950		-.1951
.953	-.4368	

MACH (4) = 1.504 ALPHA (2) = -8.613 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1785	.3493
.020		-.4762
.030	-.1691	
.048	-.1394	
.050		-.5092
.085	-.1679	
.150		-.2577
.177	-.1627	
.250		-.4520
.274	-.0888	
.402	.0161	
.565	.0474	
.650		-.0230
.750		.0907
.760	-.1341	
.808	-.1607	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (4) = 1.504 ALPHA (2) = -6.613

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830		-.0418
.857	-.2948	
.905	-.3796	
.950		-.1691
.953	-.4366	

MACH (4) = 1.504 ALPHA (3) = -4.418 RUN = 110.000 RM/L = 7.578 BETA = .000

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2284	.4076
.020		-.4378
.030	-.0762	
.048	-.0829	
.050		-.4654
.085	-.1250	
.150		-.2282
.177	-.1344	
.250		-.3921
.274	-.0493	
.402	.0490	
.565	.0726	
.650		.1385
.750		.1436
.760	-.1272	
.808	-.1680	
.850		.0026
.857	-.2840	
.905	-.3679	
.950		-.1483
.953	-.4265	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL50)

MACH (4) = 1.504 ALPHA (4) = -2.184 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2663	.5054
.020		-.3466
.030	-.0188	
.048	-.0351	
.050		-.3663
.085	-.0810	
.150		-.1663
.177	-.0542	
.250		-.2117
.274	.0410	
.402	.1373	
.565	.1191	
.650		.1901
.750		.1835
.760	-.1068	
.808	-.1439	
.850		.0222
.857	-.2624	
.905	-.3507	
.950		-.1379
.953	-.4141	

MACH (4) = 1.504 ALPHA (5) = .046 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5280	.5669
.020		-.2457
.030	.0746	
.048	.0675	
.050		-.2480
.085	.0241	
.150		-.0442
.177	.0465	
.250		.0361
.274	.1136	
.402	.1754	
.565	.1536	
.650		.2567
.750		.2143
.760	-.0744	
.808	-.1139	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (4) = 1.504 ALPHA (5) = .046

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.650 .0404
.857 -.2426
.905 -.3387
.950 -.1243
.953 -.4072

MACH (4) = 1.504 ALPHA (6) = 2.287 RUN = 110.000 RN/L = 7.576 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3598 .6168
.020 -.0837
.030 .1829
.048 .1698
.050 .0054
.085 .1024
.150 .0532
.177 .1249
.250 .1216
.274 .1697
.402 .2083
.565 .1892
.650 .3087
.750 .2390
.760 -.0334
.808 -.0744
.850 .0510
.857 -.2161
.905 -.3233
.950 -.1157
.953 -.3999

1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L50)

MACH (4) = 1.504 ALPHA (7) = 4.517 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3259	.6546
.020		.2086
.030	.2849	
.048	.2541	
.050		.2147
.085	.1883	
.150		.1015
.177	.2129	
.250		.2005
.274	.2102	
.402	.2270	
.565	.2347	
.650		.2999
.750		.2342
.760	-.0237	
.808	-.0606	
.850		.0409
.857	-.2097	
.905	-.3203	
.950		-.1203
.953	-.4001	

MACH (4) = 1.504 ALPHA (8) = 6.743 RUN = 110,000 RN/L = 7.578 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3267	.6700
.020		.3814
.030	.3640	
.048	.3286	
.050		.3464
.085	.2597	
.150		.1417
.177	.2473	
.250		.2645
.274	.2271	
.402	.2489	
.565	.2629	
.650		.2770
.750		.2274
.760	-.0319	
.808	-.0638	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (4) = 1.504 ALPHA (8) = 6.743

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .0347
.837 -.2115
.903 -.3201
.950 -.1251
.953 -.3987

MACH (4) = 1.504 ALPHA (9) = 8.944 RUN = 110,000 RN/L = 7.578 BETA = .030

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3202 .6792
.020 .5154
.030 .3804
.048 .3542
.050 .4518
.085 .2814
.150 .1851
.177 .2610
.250 .3206
.274 .2307
.402 .2606
.563 .2599
.650 .2437
.750 .2943
.760 -.0583
.808 -.0848
.850 .0188
.857 -.2233
.903 -.3245
.950 -.1405
.953 -.4008

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L31) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.8800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -4.000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 DOFLAP = .000
 ELV-1B = 4.000 ELV-CB = 4.000

MACH (1) = .899 ALPHA (1) = -8.492 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4380 .7710

X/C

.000 .0800 -.2234
 .020 .0000 -1.0000
 .030 -.3317
 .048 -.2504
 .050 -.9895
 .085 -.2571
 .150 -.5797
 .177 -.1921
 .250 -1.0088
 .274 -.1737
 .402 -.1383
 .565 -.2160
 .650 -.4540
 .750 -.4314
 .760 -.4823
 .808 -.4854
 .850 -.4318
 .857 -.5055
 .905 -.4007
 .950 -.1436
 .953 -.3160

MACH (1) = .893 ALPHA (2) = -6.314 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .1801 -.0660
 .020 .0000 -1.0038
 .030 -.2114
 .048 -.1613
 .050 -.9626
 .085 -.1816
 .150 -.5542
 .177 -.1318
 .250 -.1571

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TABULATED PRESSURE DATA - 1A70

PAGE 703

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (1) = .893 ALPHA (2) = -6.314

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1193
.402	-.0993
.563	-.1900
.650	-.4799
.750	-.4955
.760	-.4558
.808	-.4604
.850	-.4328
.857	-.4768
.903	-.3722
.950	-.1226
.953	-.2844

MACH (1) = .898 ALPHA (3) = -4.175 RUN = 134,000 RN/L = 6,000 BETA = -4,230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2449	.0783
.020		-.8654
.030	-.1017	
.048	-.0790	
.050		-.7377
.085	-.1046	
.150		-.2342
.177	-.0779	
.250		-.1953
.274	-.0746	
.402	-.0634	
.563	-.1620	
.650		-.4688
.750		-.4943
.760	-.4365	
.808	-.4442	
.850		-.4186
.857	-.4615	
.903	-.3575	
.950		-.1132
.953	-.2665	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (1) = .897 ALPHA (4) = -2.026 RUN = 134,000 RN/L = 6,000 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2686	.2294
.020		-.7491
.030	-.0022	
.040	-.0014	
.050		-.4331
.060	-.0318	
.100		-.1164
.177	-.0273	
.250		-.1516
.274	-.0323	
.402	-.0336	
.565	-.1441	
.650		-.4701
.750		-.4841
.760	-.4250	
.800	-.4337	
.850		-.4915
.857	-.4426	
.900	-.3393	
.950		-.1052
.953	-.2489	

MACH (1) = .898 ALPHA (5) = .153 RUN = 134,000 RN/L = 6,000 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2614	.3431
.020		-.3616
.030	.0855	
.040	.0716	
.050		-.2104
.060	.0363	
.100		-.0622
.177	.0224	
.250		-.0943
.274	.0102	
.402	-.0010	
.565	-.1204	
.650		-.4676
.750		-.4637
.760	-.4124	
.800	-.4246	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L31)

MACH (1) = .098 ALPHA (5) = .153

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.5960
.057 -.4403
.065 -.3378
.090 -.1152
.093 -.2443

MACH (1) = .098 ALPHA (6) = 2.277 RUN = 134.000 .RN/L = 6.000 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2267 .4014
.020 -.0784
.030 .1533
.048 .1330
.050 -.0648
.065 .0977
.150 -.0155
.177 .0681
.250 -.0377
.274 .0494
.402 .0308
.565 -.0959
.650 -.4554
.750 -.4442
.760 -.4014
.800 -.4138
.850 -.5993
.857 -.4386
.905 -.3355
.950 -.1348
.953 -.2382

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (1) = .898 ALPHA (7) = 4.434 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1091 .4078

.020 .1087

.030 .1973

.048 .1749

.050 .0632

.085 .1375

.150 .0176

.177 .1004

.250 .0069

.274 .0783

.402 .0554

.565 -.0773

.650 -.4380

.750 -.4270

.760 -.4000

.808 -.4114

.850 -.5867

.857 -.4425

.905 -.3335

.950 -.1956

.953 -.2311

MACH (1) = .900 ALPHA (8) = 6.596 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1599 .3731

.020 .2345

.030 .2264

.048 .2025

.050 .1672

.085 .1617

.150 .0502

.177 .1221

.250 .0488

.274 .0961

.402 .0719

.565 -.0671

.650 -.4147

.750 -.4037

.760 -.4084

.808 -.4155

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L31)

MACH (1) = .900 ALPHA (8) = 6.596

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.5709
.857 -.4556
.905 -.3441
.950 -.5209
.953 -.2363

MACH (1) = .900 ALPHA (9) = 8.732 RUN = 134.000 RN/L = 6.000 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1090 .2909
.020 .3402
.030 .2490
.048 .2248
.050 .2551
.085 .1812
.150 .0847
.177 .1363
.250 .0987
.274 .1114
.402 .0824
.565 -.0581
.650 -.3723
.750 -.3662
.760 -.4051
.808 -.4175
.850 -.5457
.857 -.4878
.905 -.3864
.950 -.6514
.953 -.2733

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (2) = 1.089 ALPHA (1) = -8.692 RUN = 98,000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1236 -.0662

.020 -.8294

.030 -.1998

.048 -.1816

.050 -.8246

.085 -.1970

.150 -.5054

.177 -.1620

.250 -.8686

.274 -.1361

.402 -.0835

.565 -.1592

.650 -.2382

.750 -.2248

.760 -.5648

.808 -.6319

.850 -.4157

.857 -.6901

.905 -.6682

.950 -.6037

.953 -.5117

MACH (2) = 1.104 ALPHA (2) = -6.535 RUN = 98,000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2127 .0947

.020 -.8047

.030 -.1434

.048 -.1146

.050 -.8012

.085 -.1332

.150 -.4234

.177 -.1008

.250 -.6867

.274 -.0772

.402 -.0398

.565 -.1187

.650 -.1608

.750 -.1901

.760 -.5243

.808 -.5918

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE

(RF7L51)

MACH (2) = 1.104 ALPHA (2) = -6.535

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3743
.857 -.6474
.905 -.6146
.950 -.5729
.953 -.5282

MACH (2) = 1.119 ALPHA (3) = -4.395 RUN = 99.000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2764 .2355
.020 -.8096
.030 -.0379
.048 -.0250
.050 -.7851
.085 -.0595
.150 -.2428
.177 -.0326
.250 -.2072
.274 -.0296
.402 -.0031
.565 -.0768
.650 -.1481
.750 -.1855
.780 -.4877
.805 -.5562
.850 -.3878
.857 -.6352
.905 -.5892
.950 -.5584
.953 -.5438

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (2) = 1.128 ALPHA (4) = -2.158 RUN = 98,000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3020 .3489

.020 . .8597

.030 .0440

.048 .0424

.050 . .5755

.065 .0071

.150 . .0881

.177 .0194

.250 . .0712

.274 .0304

.402 .0423

.565 . .0301

.650 . .1495

.750 . .1934

.760 . .4652

.808 . .5364

.850 . .3815

.857 . .6219

.905 . .6062

.950 . .5627

.953 . .5122

MACH (2) = 1.127 ALPHA (5) = .034 RUN = 98,000 RN/L = 6.667 BETA = -4.325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3000 .4180

.020 . .3817

.030 .1235

.048 .1098

.050 . .2451

.065 .0741

.150 . .0010

.177 .0723

.250 . .0946

.274 .0746

.402 .0820

.565 .0037

.650 . .1618

.750 . .1970

.760 . .4575

.808 . .5203

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (2) = 1.127 ALPHA (5) = .034

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3930

.857 -.5972

.905 -.5948

.950 -.5725

.953 -.5561

MACH (2) = 1.116 ALPHA (6) = 2.220 RUN = 98.000 RN/L = 6.667 BETA = -4.325

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2889 .4775

.020 -.0442

.030 .1899

.048 .1672

.050 .0282

.085 .1291

.150 .0523

.177 .1106

.250 .1262

.274 .1062

.402 .1069

.565 .0138

.650 -.1664

.750 -.2014

.760 -.4647

.808 -.5207

.850 -.4041

.857 -.6008

.905 -.5971

.950 -.5855

.953 -.5234

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L31)

MACH (2) = 1.108 ALPHA (7) = 4.423 RUN = 98.000 RN/L = 6.667 BETA = -4.323

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2359	.5001
.020		.1729
.030	.2045	
.048	.1830	
.050		.1541
.085	.1484	
.150		.0834
.177	.1278	
.250		.1619
.274	.1198	
.402	.1156	
.565	.0177	
.650		-.1651
.750		-.1961
.760	-.4685	
.808	-.5143	
.850		-.4056
.857	-.5947	
.905	-.6003	
.950		-.5892
.953	-.5029	

MACH (2) = 1.097 ALPHA (8) = 6.683 RUN = 98.000 RN/L = 6.667 BETA = -4.323

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1284	.5013
.020		.3314
.030	.2134	
.048	.2007	
.050		.2823
.085	.1769	
.150		.1121
.177	.1499	
.250		.2055
.274	.1381	
.402	.1281	
.565	.0252	
.650		-.1521
.750		-.1800
.760	-.4834	
.808	-.5098	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12-S1-P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (2) = 1.097 ALPHA (8) = 0.683

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3991
.857 -.5948
.905 -.6115
.950 -.5874
.953 -.4727

MACH (2) = 1.088 ALPHA (9) = 8.852 RUN = 98,000 RN/L = 6.667 BETA = -4.325

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0186 .4978
.020 .4536
.030 .2135
.048 .2157
.050 .3778
.085 .2022
.150 .1378
.177 .1749
.250 .2469
.274 .1588
.402 .1411
.565 .0316
.650 -.1383
.750 -.1646
.760 -.4626
.808 -.4930
.850 -.3927
.857 -.5688
.905 -.6039
.950 -.5826
.953 -.5449

1A70 01 T12 S1 P2 P8 WING LOWER SURFACE (RF7L51)

MACH (3) = 1.198 ALPHA (1) = -8.762 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0766	.0405
.020		-.7497
.030	-.2430	
.048	-.1900	
.050		-.7456
.063	-.1830	
.130		-.4278
.177	-.1366	
.250		-.6845
.274	-.1202	
.402	-.0633	
.565	-.1226	
.650		-.1452
.750		-.1215
.760	-.4584	
.808	-.5057	
.850		-.2739
.857	-.5953	
.905	-.6569	
.950		-.4680
.953	-.4480	

MACH (3) = 1.207 ALPHA (2) = -6.573 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2035	.1440
.020		-.7860
.030	-.1230	
.048	-.1138	
.050		-.7861
.095	-.1420	
.150		-.3484
.177	-.0888	
.250		-.5275
.274	-.0701	
.402	-.0313	
.565	-.0997	
.650		-.0980
.750		-.0903
.760	-.4323	
.808	-.4792	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (3) = 1.207 ALPHA (2) = -6.573

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.2386

.857 -.5672

.905 -.6338

.950 -.4435

.953 -.4386

MACH (3) = 1.214 ALPHA (3) = -4.357 RUN = 129,000 RN/L = 7,200 BETA = -4.334

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2429 .2634

.020 -.7339

.030 -.0539

.048 -.0492

.050 -.7260

.085 -.0851

.150 -.2440

.177 -.0369

.250 -.2512

.274 -.0323

.402 .0035

.565 -.0526

.650 -.0547

.750 -.0794

.760 -.3996

.808 -.4429

.850 -.2467

.857 -.5428

.905 -.6169

.950 -.4410

.953 -.4519

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (3) = 1.218 ALPHA (4) = -2.137 RUN = 129,000 RN/L = 7,200 BETA = -4.334

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2918	.3492
.020		-.6186
.030	.0234	
.048	.0185	
.050		-.5816
.085	-.0076	
.150		-.1386
.177	.0081	
.250		-.0899
.274	.0173	
.402	.0428	
.565	-.0103	
.650		-.0391
.750		-.0756
.760	-.3749	
.808	-.4270	
.850		-.2508
.857	-.5305	
.905	-.6081	
.950		-.4486
.953	-.4716	

MACH (3) = 1.215 ALPHA (5) = .060 RUN = 129,000 RN/L = 7,200 BETA = -4.334

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2964	.4264
.020		-.4418
.030	.1062	
.048	.0897	
.050		-.2957
.085	.0565	
.150		-.0532
.177	.0575	
.250		.0009
.274	.0564	
.402	.0799	
.565	.0220	
.650		-.0487
.750		-.0788
.760	-.3593	
.808	-.4133	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L31)

MACH (3) = 1.215 ALPHA (5) = .060

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2566
.857 -.5203
.905 -.5923
.950 -.4559
.953 -.5019

MACH (3) = 1.208 ALPHA (6) = 2.276 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2889 .4780
.020 -.1306
.030 .1786
.048 .1541
.050 -.0519
.085 .1133
.150 .0171
.177 .0994
.250 .1050
.274 .1009
.402 .1113
.565 .0457
.650 -.0569
.750 -.0828
.760 -.3529
.808 -.4097
.850 -.2630
.857 -.5119
.905 -.5830
.950 -.4601
.953 -.5134

1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L51)

MACH (3) = 1.200 ALPHA (7) = 4.465 RUN = 129.000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2414	.5161
.020		.1512
.030	.2117	
.048	.1898	
.050		.1490
.085	.1562	
.150		.0672
.177	.1373	
.250		.2003
.274	.1326	
.402	.1376	
.565	.0631	
.650		-.0533
.750		-.0763
.760	-.3455	
.808	-.4066	
.850		-.2595
.857	-.5047	
.905	-.5763	
.950		-.4604
.953	-.5109	

MACH (3) = 1.190 ALPHA (8) = 6.648 RUN = 129.000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1403	.5224
.020		.3147
.030	.2293	
.048	.2161	
.050		.2638
.085	.1915	
.150		.1103
.177	.1644	
.250		.2467
.274	.1541	
.402	.1521	
.565	.0697	
.650		-.0449
.750		-.0646
.760	-.3409	
.808	-.3992	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL51)

MACH (3) = 1.190 ALPHA (8) = 8.848

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.860 -.2525
.857 -.4984
.905 -.5894
.950 -.4589
.953 -.4911

MACH (3) = 1.180 ALPHA (9) = 8.860 RUN = 129,000 RN/L = 7.200 BETA = -4.334

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0162 .5324
.020 .4539
.030 .2378
.048 .2361
.050 .3874
.085 .2188
.150 .1395
.177 .1879
.250 .2905
.274 .1737
.402 .1636
.565 .0719
.650 -.0326
.750 -.0546
.760 -.3374
.808 -.5675
.850 -.2469
.857 -.4884
.905 -.5509
.950 -.4551
.953 -.5387

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (4) = 1.504 ALPHA (1) = -8.802 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.0698	.1455
.020		-.5296
.030	-.2290	
.048	-.1711	
.050		-.5196
.065	-.1706	
.150		-.2674
.177	-.1192	
.250		-.4512
.274	-.0631	
.402	-.0210	
.565	-.0534	
.650		-.1829
.750		-.1036
.760	-.3012	
.808	-.3481	
.850		-.1832
.857	-.3916	
.905	-.4317	
.950		-.2635
.953	-.4763	

MACH (4) = 1.504 ALPHA (2) = -6.631 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.0998	.1956
.020		-.5228
.030	-.1642	
.048	-.1337	
.050		-.5356
.065	-.1542	
.150		-.2725
.177	-.0972	
.250		-.3842
.274	-.0605	
.402	-.0130	
.565	-.0479	
.650		-.0799
.750		-.0179
.760	-.2861	
.805	-.3316	

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TABULATED PRESSURE DATA - 1A7D

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1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L31)

MACH (4) = 1.504 ALPHA (2) = -6.631

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.1404
.057 -.3728
.905 -.4211
.950 -.2473
.953 -.4635

MACH (4) = 1.504 ALPHA (3) = -4.434 RUN = 111.000 RN/L = 7.589 BETA = -4.355

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1585 .2932
.020 -.4769
.030 -.0792
.048 -.0686
.050 -.4953
.085 -.1176
.150 -.2298
.177 -.0551
.250 -.2056
.274 -.0314
.402 .0192
.565 -.0111
.650 -.0839
.750 .0092
.760 -.2594
.808 -.3080
.850 -.0956
.857 -.3592
.905 -.4095
.950 -.2236
.953 -.4582

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (4) = 1.504 ALPHA (4) = -2.195 RUN = 111,000 RN/L = 7,589 BETA = -4.355

SECTION (1) WING LOWER SURFACE — DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2177	.3908
.020		-.3663
.030	.0118	
.048	-.0074	
.050		-.3719
.085	-.0312	
.150		-.0963
.177	.0229	
.250		-.1241
.274	.0167	
.402	.0529	
.565	.0222	
.650		.0612
.750		.0871
.760	-.2339	
.808	-.2824	
.850		-.0625
.857	-.3478	
.905	-.3989	
.950		-.2089
.953	-.4472	

MACH (4) = 1.504 ALPHA (5) = .046 RUN = 111,000 RN/L = 7,589 BETA = -4.355

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2667	.4606
.020		-.2653
.030	.1006	
.048	.0836	
.050		-.2417
.085	.0381	
.150		-.0505
.177	.0593	
.250		-.0269
.274	.0530	
.402	.0901	
.565	.0553	
.650		.1485
.750		.1086
.760	-.2096	
.808	-.2559	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (4) = 1.504 ALPHA (5) = .046

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0551
.857 -.3330
.905 -.3919
.950 -.2061
.953 -.4355

MACH (4) = 1.504 ALPHA (6) = 2.263 RUN = 111.000 RN/L = 7.589 BETA = -4.353

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2891 .4960
.020 -.0582
.030 .1810
.048 .1512
.050 .0049
.085 .0931
.150 .0146
.177 .0966
.250 .0729
.274 .0943
.402 .1310
.565 .0958
.650 .1585
.750 .1286
.760 -.1858
.808 -.2312
.850 -.0387
.857 -.3140
.905 -.3772
.950 -.1937
.953 -.4226

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L51)

MACH (4) = 1.504 ALPHA (7) = 4.479 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2647 .5439

.020 .1532

.030 .2172

.048 .1930

.050 .1608

.085 .1489

.150 .0694

.177 .1328

.250 .1550

.274 .1441

.402 .1712

.565 .1287

.650 .1924

.750 .1503

.760 -.1698

.808 -.2127

.850 -.0293

.857 -.3002

.905 -.3695

.950 -.1883

.953 -.4142

MACH (4) = 1.504 ALPHA (8) = 6.710 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1518 .5667

.020 .2908

.030 .2384

.048 .2281

.050 .2745

.085 .2080

.150 .1172

.177 .1845

.250 .2093

.274 .1792

.402 .1902

.565 .1380

.650 .2183

.750 .1707

.760 -.1679

.808 -.2077

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P5

WING LOWER SURFACE

(RP7L51)

MACH (4) = 1.504 ALPHA (8) = 6.710

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0141
.857 -.2946
.905 -.3630
.950 -.1788
.953 -.4060

MACH (4) = 1.504 ALPHA (9) = 8.931 RUN = 111,000 RN/L = 7.589 BETA = -4.355

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0640 .5765
.020 .4175
.030 .2519
.040 .2479
.050 .3653
.065 .2320
.150 .1510
.177 .2034
.250 .2686
.274 .1944
.402 .1982
.565 .1415
.650 .2330
.750 .1608
.760 -.1674
.808 -.2035
.850 -.0047
.857 -.2892
.905 -.3585
.950 -.1722
.953 -.4007

IA7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -8.000 ELV-1 = 4.000
 ELV-2 = 4.000 ELV-3 = 4.000
 ELV-4 = 4.000 DOFLAP = .000
 ELV-1B = 4.000 ELV-CB = 4.000

MACH (1) = .899 ALPHA (1) = -8.486 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zr/B .4360 .7710

X/C

.000 .0404 -.3624
 .020 -.9684
 .030 -.2797
 .048 -.2129
 .050 -.9726
 .085 -.2100
 .150 -.5858
 .177 -.1715
 .250 -.9783
 .274 -.1634
 .402 -.1487
 .565 -.2440
 .650 -.4941
 .750 -.4646
 .760 -.4953
 .808 -.5180
 .850 -.4801
 .857 -.5093
 .905 -.4348
 .950 -.1207
 .953 -.3673

MACH (1) = .898 ALPHA (2) = -6.328 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zr/B .4360 .7710

X/C

.000 .1081 -.1991
 .020 -.9736
 .030 -.1920
 .048 -.1382
 .050 -.9622
 .085 -.1380
 .150 -.5983
 .177 -.1170
 .250 -.2346

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (1) = .898 ALPHA (2) = -6.328

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1160
.402	-.1133
.565	-.2173
.650	-.4842
.750	-.4582
.760	-.4735
.800	-.4919
.850	-.5418
.857	-.4878
.905	-.4133
.950	-.1220
.953	-.3460

MACH (1) = .897 ALPHA (3) = -4.192 RUN = 98.000 RNVL = 6.011 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1142	-.0341
.020		-.8860
.030	-.0911	
.048	-.0628	
.050		-.8030
.065	-.0698	
.150		-.2604
.177	-.0662	
.250		-.2155
.274	-.0747	
.402	-.0820	
.565	-.1906	
.650		-.4791
.750		-.4696
.760	-.4511	
.808	-.4658	
.850		-.4960
.857	-.4650	
.905	-.3911	
.950		-.1213
.953	-.3243	

1A70 C1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (1) = .899 ALPHA (4) = -2.028 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1145	.1161
.020		-.7931
.030	.0073	
.040	.0096	
.050		-.5354
.085	-.0034	
.150		-.1362
.177	-.0206	
.250		-.1901
.274	-.0383	
.402	-.0514	
.565	-.1648	
.650		-.4687
.750		-.4379
.760	-.4373	
.808	-.4497	
.850		-.5200
.857	-.4521	
.905	-.3728	
.950		-.1366
.953	-.3050	

MACH (1) = .899 ALPHA (5) = .119 RUN = 96.000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1032	.2535
.020		-.4661
.030	.0637	
.040	.0584	
.050		-.2394
.085	.0452	
.150		-.0876
.177	.0181	
.250		-.1357
.274	-.0044	
.402	-.0225	
.565	-.1435	
.650		-.4598
.750		-.4199
.760	-.4332	
.808	-.4394	

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WING LOWER SURFACE

(RFTL52)

MACH (1) = .899 ALPHA (5) = .119

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4830
.857 -.4408
.905 -.3584
.950 -.1450
.953 -.2882

MACH (1) = .900 ALPHA (6) = 2.259 RUN = 96,000 RN/L = 6.011 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0397 .3386
.020 -.1794
.030 .0987
.048 .0980
.050 -.1275
.085 .0903
.150 -.0445
.177 .0610
.250 -.0818
.274 .0346
.402 .0120
.565 -.1171
.650 -.4567
.750 -.4334
.760 -.4376
.808 -.4409
- 850 -.4958
.857 -.4453
.905 -.3552
.950 -.1488
.953 -.2818

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (1) = .900 ALPHA (7) = 4.429 RUN = 96,000 RN/L = 6,011 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0156	.3770
.020		.0310
.030	.1265	
.048	.1362	
.050		.0090
.065	.1357	
.150		-.0049
.177	.1052	
.250		-.0273
.274	.0732	
.402	.0443	
.565	-.0928	
.650		-.4503
.750		-.4519
.760	-.4405	
.808	-.4423	
.850		-.5564
.857	-.4540	
.905	-.3542	
.950		-.1595
.953	-.2767	

MACH (1) = .898 ALPHA (8) = 6.582 RUN = 96,000 RN/L = 6,011 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.1042	.3638
.020		.1796
.030	.1644	
.048	.1810	
.050		-.1193
.085	.1781	
.150		.0275
.177	.1585	
.250		.0215
.274	.1016	
.402	.0663	
.565	-.0766	
.650		-.4450
.750		-.4654
.760	-.4423	
.808	-.4462	

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TABULATED PRESSURE DATA - 1A70.

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (1) = .898 ALPHA (8) = 6.582

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.5934
.857 -.4845
.905 -.3561
.950 -.2361
.953 -.2772

MACH (1) = .899 ALPHA (9) = 6.714 RUN = 96.000 RN/L = 6.011 BETA = -8.484

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.1525 .3400
.020 .2785
.030 .2056
.048 .2177
.050 .1972
.085 .2044
.150 .0601
.177 .1509
.250 .0695
.274 .1106
.402 .0731
.565 -.0726
.650 -.4248
.750 -.4493
.760 -.4493
.808 -.4553
.850 -.6014
.857 -.4815
.905 -.3723
.950 -.4762
.953 -.2883

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (2) = 1.082 ALPHA (1) = -8.767 RUN = 97.000 RN/L = 6.678 BETA = -8.645

SECTION (1) WING LOWER SURFACE - DEPENDENT VARIABLE CP

2Y/B .4380 .7710

X/C

.000	.0683	-.2082
.020		-.7562
.030	-.1671	
.048	-.1244	
.050		-.7654
.085	-.1267	
.150		-.5183
.177	-.1215	
.250		-.9671
.274	-.1186	
.402	-.1153	
.565	-.2303	
.650		-.3649
.750		-.3644
.760	-.6035	
.808	-.6011	
.850		-.5221
.857	-.6159	
.905	-.6457	
.950		-.6784
.963	-.5533	

MACH (2) = 1.097 ALPHA (2) = -8.547 RUN = 97.000 RN/L = 6.678 BETA = -8.645

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0997	-.0429
.020		-.6922
.030	-.0805	
.048	-.0541	
.050		-.6934
.085	-.0617	
.150		-.4427
.177	-.0626	
.250		-.6766
.274	-.0683	
.402	-.0676	
.565	-.1832	
.650		-.3242
.750		-.3222
.760	-.5823	
.905	-.5874	

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WING LOWER SURFACE

(RF7L32)

MACH (2) = 1.097 ALPHA (2) = -6.547

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4859
.857 -.5738
.903 -.6207
.950 -.6458
.953 -.5285

MACH (2) = 1.108 ALPHA (3) = -4.332 RUN = 97,000 RN/L = 6.678 BETA = -8.645

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0952 .1246
.020 -.6521
.030 -.0067
.048 -.0053
.050 -.6428
.083 -.0163
.150 -.2893
.177 -.0249
.250 -.0963
.274 -.0304
.402 -.0298
.565 -.1419
.650 -.2766
.750 -.2939
.760 -.5585
.808 -.5718
.850 -.4579
.857 -.5313
.905 -.5893
.950 -.6196
.953 -.5108

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (2) = 1.117 ALPHA (4) = -2.114 RUN = 97.000 RN/L = 6.678 BETA = -8.645

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1099	.2460
.020		-.6366
.030	.0417	
.048	.0357	
.050		-.5042
.085	.0240	
.150		-.0575
.177	.0109	
.250		-.0438
.274	.0051	
.402	.0035	
.565	-.1047	
.650		-.2586
.750		-.2876
.760	-.5378	
.808	-.5837	
.850		-.4524
.857	-.5104	
.905	-.5310	
.950		-.6090
.953	-.4813	

MACH (2) = 1.114 ALPHA (5) = .115 RUN = 97.000 RN/L = 6.678 BETA = -8.645

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0941	.3526
.020		-.3380
.030	.0772	
.048	.0701	
.050		-.1175
.085	.0616	
.150		-.0206
.177	.0482	
.250		.0024
.274	.0394	
.402	.0347	
.565	-.0763	
.650		-.2648
.750		-.2932
.760	-.5283	
.808	-.5792	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (2) = 1.114 ALPHA (5) = .115

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4532
.857 -.5593
.905 -.5071
.950 -.6206
.953 -.4117

MACH (2) = 1.107 ALPHA (6) = 2.330 RUN = .97,000 RV/L = 6.678 BETA = -8.645

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0293 .4243
.020 -.0323
.030 .0907
.040 .0943
.050 .0290
.065 .0984
.150 .0251
.177 .0887
.250 .0646
.274 .0817
.402 .0749
.565 -.0408
.650 -.2475
.750 -.2827
.760 -.5112
.808 -.5529
.850 -.4407
.857 -.5713
.905 -.5275
.950 -.6182
.953 -.3901

1A70 OI T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (2) = 1.097 ALPHA (7) = 4.539 RUN = 97.000 RN/L = 6.678 BETA = -6.645

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0214	.4542
.020		.1555
.030	.1009	
.048	.1128	
.050		.1397
.065	.1233	
.150		.0563
.177	.1176	
.250		.1112
.274	.1100	
.402	.0986	
.565	-.0233	
.650		-.2258
.750		-.2596
.760	-.5060	
.808	-.5274	
.850		-.4329
.857	-.5461	
.905	-.5180	
.950		-.6167
.953	-.4183	

MACH (2) = 1.086 ALPHA (8) = 6.739 RUN = 97.000 RN/L = 6.678 BETA = -6.645

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0706	.4698
.020		.2846
.030	.1137	
.048	.1324	
.050		.2347
.065	.1476	
.150		.0810
.177	.1425	
.250		.1533
.274	.1324	
.402	.1160	
.565	-.0141	
.650		-.2106
.750		-.2350
.760	-.4967	
.808	-.4967	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (2) = 1.088 ALPHA (8) = 6.739

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4305
.857 -.5235
.903 -.5313
.950 -.6114
.953 -.4471

MACH (2) = 1.079 ALPHA (9) = 8.949 RUN = 97.000 RN/L = 6.678 BETA = -8.645

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0864 .4642
.020 .3802
.030 .1299
.048 .1478
.050 .3110
.065 .1620
.150 .1037
.177 .1506
.250 .1950
.274 .1356
.402 .1160
.565 -.0185
.650 -.1871
.750 -.2104
.760 -.4918
.808 -.4779
.850 -.4287
.857 -.5248
.903 -.5577
.950 -.6093
.953 -.4731

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L52)

MACH (3) = 1.192 ALPHA (1) = -8.815 RUN = 133,000 RN/L = 7.036 BETA = -8.663

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0302	-.0999
.020		-.7034
.030	-.1632	
.048	-.1283	
.050		-.7044
.085	-.0938	
.150		-.4428
.177	-.1080	
.250		-.7760
.274	-.1168	
.402	-.1008	
.565	-.1900	
.650		-.2647
.750		-.2733
.760	-.5022	
.808	-.5356	
.850		-.4047
.857	-.5760	
.905	-.5324	
.950		-.5412
.953	-.5225	

MACH (3) = 1.202 ALPHA (2) = -6.517 RUN = 133,000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1111	.0193
.020		-.6545
.030	-.1147	
.048	-.0833	
.050		-.6508
.085	-.0688	
.150		-.3956
.177	-.0879	
.250		-.5962
.274	-.0794	
.402	-.0676	
.565	-.1595	
.650		-.2312
.750		-.2275
.760	-.4807	
.808	-.5418	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (3) = 1.202 ALPHA (2) = -8.517

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE: CP

ZY/B .4360 .7710

X/C

.650 -.3665
.857 -.5801
.905 -.5171
.950 -.5225
.953 -.5032

MACH (3) = 1.210 ALPHA (3) = -4.326 RUN = 133.000 R/V/L = 7.056 BETA = -8.663

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE: CP

ZY/B .4360 .7710

X/C

.000 .0890 .1435
.020 -.6334
.030 -.0211
.040 -.0201
.050 -.6131
.085 -.0294
.150 -.3060
.177 -.0330
.250 -.1153
.274 -.0372
.402 -.0294
.565 -.1200
.650 -.2053
.750 -.1920
.760 -.4572
.808 -.5284
.850 -.3366
.857 -.5802
.905 -.4933
.950 -.5042
.953 -.4760

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (3) = 1.215 ALPHA (4) = -2.106 RUN = 133,000 RN/L = 7.056 BETA = -8.663

SECTION-(1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1124	.2574
.020		-.5771
.030	.0350	
.048	.0266	
.050		-.5193
.085	.0145	
.150		-.1019
.177	.0041	
.250		-.0714
.274	.0020	
.402	.0063	
.565	-.0857	
.650		-.1843
.750		-.1906
.760	-.4341	
.808	-.5062	
.850		-.3354
.857	-.5676	
.905	-.4843	
.950		-.5009
.953	-.4569	

MACH (3) = 1.212 ALPHA (5) = .140 RUN = 133,000 RN/L = 7.056 BETA = -8.663

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1039	.3489
.020		-.4152
.030	.0740	
.048	.0650	
.050		-.2033
.085	.0571	
.150		-.0365
.177	.0431	
.250		-.0140
.274	.0392	
.402	.0416	
.565	-.0303	
.650		-.1800
.750		-.1914
.760	-.4141	
.808	-.4861	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (3) = 1.212 ALPHA (3) = .140

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3427
.857 -.5636
.905 -.5281
.950 -.5081
.953 -.4056

MACH (3) = 1.206 ALPHA (6) = 2.370 RUN = 133,000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0554 .4136
.020 -.0968
.030 .0973
.048 .0968
.050 .0051
.085 .0980
.150 .0094
.177 .0884
.250 .0696
.274 .0832
.402 .0837
.565 -.0123
.650 -.1677
.750 -.1852
.760 -.3925
.808 -.4613
.850 -.3323
.857 -.5478
.905 -.5394
.950 -.4961
.953 -.3839

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (3) = 1.198 ALPHA (7) = 4.591 RUN = 133.000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0139	.4490
.020		.1221
.030	.1201	
.048	.1285	
.050		.1433
.065	.1382	
.150		.0556
.177	.1283	
.250		.1527
.274	.1217	
.402	.1179	
.565	.0168	
.650		-.1324
.750		-.1471
.760	-.3729	
.808	-.4296	
.850		-.3104
.857	-.5258	
.905	-.5191	
.950		-.4912
.953	-.3807	

MACH (3) = 1.190 ALPHA (8) = 6.807 RUN = 133.000 RN/L = 7.056 BETA = -8.663

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0190	.4709
.020		.3016
.030	.1504	
.048	.1664	
.050		.2636
.085	.1807	
.150		.1000
.177	.1719	
.250		.2097
.274	.1582	
.402	.1499	
.565	.0374	
.650		-.1045
.750		-.1199
.760	-.3659	
.808	-.4110	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (3) = 1.190 ALPHA (8) = 6.807

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2964
.857 -.5180
.905 -.5184
.950 -.4830
.953 -.4371

MACH (3) = 1.176 ALPHA (9) = 9.040 RUN = 133,000 RN/L = 7,056 BETA = -8.663

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0519 .4780
.020 .4039
.030 .1517
.048 .1706
.050 .3355
.085 .1862
.150 .1107
.177 .1795
.250 .2376
.274 .1661
.402 .1531
.565 .0349
.650 -.0847
.750 -.1015
.760 -.3693
.808 -.4091
.850 -.2883
.857 -.5130
.905 -.5208
.950 -.4836
.953 -.4987

1A70 01 T12 S1 P2 P8 WING LOWER SURFACE

MACH (4) = 1.504 ALPHA (1) = -8.809 RUN = 112.000 RN/L = 7.622 BETA

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0598	.0213
.020		-.4925
.030	-.1340	
.048	-.1121	
.050		-.4920
.065	-.1272	
.150		-.2764
.177	-.0893	
.250		-.4898
.274	-.0847	
.402	-.0573	
.565	-.1108	
.650		-.1427
.750		-.1483
.760	-.3007	
.808	-.3343	
.850		-.2475
.857	-.4019	
.905	-.4540	
.950		-.3359
.953	-.4306	

MACH (4) = 1.504 ALPHA (2) = -6.631 RUN = 112.000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0439	.0841
.020		-.4278
.030	-.1228	
.048	-.0960	
.050		-.4186
.065	-.1044	
.150		-.2461
.177	-.0770	
.250		-.4341
.274	-.0746	
.402	-.0449	
.565	-.0954	
.650		-.1534
.750		-.1443
.760	-.2949	
.808	-.3248	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL32)

MACH (4) = 1.504 ALPHA (2) = -6.631

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2527

.857 -.3972

.905 -.4501

.950 -.3394

.953 -.3984

MACH (4) = 1.504 ALPHA (3) = -4.399 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0293 .2007

.020 -.4311

.030 -.0349

.048 -.0396

.050 -.4233

.085 -.0238

.150 -.1906

.177 -.0345

.250 -.2277

.274 -.0327

.402 -.0147

.565 -.0686

.650 -.1293

.750 -.1291

.760 -.2898

.808 -.3227

.850 -.2463

.857 -.3899

.905 -.4446

.950 -.3311

.953 -.3925

1A70 01 T12 S1 P2 P8 WING LOWER SURFACE (RF7L52)

MACH (4) = 1.504 ALPHA (4) = -2.155 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0676	.2943
.020		-.4116
.030	.0336	
.048	.0247	
.050		-.3624
.085	.0204	
.150		-.0874
.177	.0030	
.250		-.0434
.274	.0023	
.402	.0194	
.565	-.0321	
.650		-.1128
.750		-.1119
.760	-.2789	
.808	-.3133	
.850		-.2247
.857	-.3798	
.905	-.4370	
.950		-.3124
.953	-.3675	

MACH (4) = 1.504 ALPHA (5) = .095 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0606	.3803
.020		-.3057
.030	.0712	
.048	.0653	
.050		-.2522
.085	.0616	
.150		-.0142
.177	.0472	
.250		.0285
.274	.0467	
.402	.0623	
.565	.0088	
.650		-.0707
.750		-.0638
.760	-.2572	
.808	-.2836	

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1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE

(RF7L52)

MACH (4) = 1.504 ALPHA (5) = .095

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.1792
.057 -.3621
.905 -.4209
.950 -.2841
.953 -.4082

MACH (4) = 1.504 ALPHA (6) = 2.323 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0669 .4422
.020 -.0913
.030 .1041
.040 .1037
.050 -.0069
.065 .1067
.150 .0345
.177 .0981
.250 .0890
.274 .0990
.402 .1129
.565 .0514
.650 -.0101
.750 -.0226
.760 -.2336
.808 -.2637
.850 -.1552
.857 -.3428
.905 -.4053
.950 -.2727
.953 -.4466

IA70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L52)

MACH (4) = 1.504 ALPHA (7) = 4.563 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0377	.4765
.020		.0930
.030	.1338	
.048	.1417	
.050		.1277
.085	.1523	
.150		.0738
.177	.1500	
.250		.1452
.274	.1479	
.402	.1554	
.565	.0772	
.650		.0442
.750		.0250
.760	-.2197	
.808	-.2458	
.850		-.1194
.857	-.3285	
.905	-.3923	
.950		-.2456
.953	-.4401	

MACH (4) = 1.504 ALPHA (8) = 6.800 RUN = 112,000 RN/L = 7.622 BETA = -8.711

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0090	.4912
.020		.2605
.030	.1583	
.048	.1709	
.050		.2568
.085	.1836	
.150		.1100
.177	.1856	
.250		.1939
.274	.1855	
.402	.1880	
.565	.0965	
.650		.0964
.750		.0658
.760	-.2068	
.808	-.2313	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL52)

MACH (4) = 1.504 ALPHA (8) = 6.800

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0839

.857 -.3143

.905 -.3756

.950 -.2168

.953 -.4192

MACH (4) = 1.504 ALPHA (9) = 9.048 RUN = 112.000 RN/L = 7.622 BETA = -8.711

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0117 .5199

.020 .3602

.030 .1654

.048 .1772

.050 .3272

.085 .1872

.150 .1350

.177 .1917

.250 .2258

.274 .1929

.402 .1921

.565 .0938

.650 .1881

.750 .1137

.760 -.2007

.808 -.2169

.850 -.0624

.857 -.2938

.905 -.3520

.950 -.2043

.953 -.3884

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL53) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 SREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 8.000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 DDFLAP = .000
 ELV-18 = 8.000 ELV-CO = 8.000

MACH (1) = .900 ALPHA (1) = -8.402 RUN = 150,000 RN/L = 6.000 BETA = 8.461

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .2849 .2131
 .020 -1.0428
 .030 -.3343
 .048 -.2487
 .050 -1.0142
 .085 -.3470
 .150 -.5131
 .177 -.1946
 .250 -.4596
 .274 -.1186
 .402 .0518
 .565 .0747
 .650 -.2824
 .750 -.1403
 .760 -.6908
 .808 -.4463
 .850 -.4673
 .857 -.6463
 .905 -.2271
 .950 -.0515
 .953 -.1338

MACH (1) = .698 ALPHA (2) = -6.194 RUN = 150,000 RN/L = 6.000 BETA = 8.461

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .3644 .3451
 .020 -.8321
 .030 -.1644
 .048 -.1278
 .050 -.6781
 .085 -.1925
 .150 -.2095
 .177 -.1019
 .250 -.1908

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L33)

MACH (1) = .898 ALPHA (2) = -8.194

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0419
.402	.0915
.565	.0910
.850	-.3348
.750	-.1366
.760	-.6871
.808	-.4293
.850	-.4874
.857	-.4635
.905	-.2502
.950	-.0340
.953	-.1428

MACH (1) = .898 ALPHA (3) = -4.062 RUN = 100,000 RN/L = 6,000 BETA = 8,461

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4546	.4698
.020		-.7951
.030	-.0144	
.048	-.0111	
.050		-.4531
.085	-.0747	
.150		-.0712
.177	-.0231	
.250		-.0614
.274	.0222	
.402	.1269	
.565	.1051	
.650		-.3521
.750		-.1333
.760	-.6824	
.808	-.4158	
.850		-.4869
.857	-.3338	
.905	-.2876	
.950		-.0128
.953	-.1438	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (1) = .897 ALPHA (4) = -1.905 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4964	.5678
.020		-.3498
.030	.1214	
.048	.1008	
.050		-.1932
.085	.0314	
.150		-.0132
.177	.0491	
.250		.0004
.274	.0777	
.402	.1376	
.565	.1154	
.650		-.3577
.750		-.1103
.760	-.6758	
.808	-.3463	
.850		-.4425
.857	-.3208	
.905	-.3112	
.950		-.0304
.953	-.1521	

MACH (1) = .897 ALPHA (5) = .253 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.5095	.6223
.020		-.0284
.030	.2350	
.048	.1981	
.050		.0013
.085	.1223	
.150		.0357
.177	.1132	
.250		.0564
.274	.1284	
.402	.1876	
.565	.1287	
.650		-.3470
.750		-.0788
.760	-.6556	
.808	-.3083	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL53)

MACH (1) = .897 ALPHA (5) = .253

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4308

.857 -.3146

.905 -.3506

.950 -.1360

.953 -.1538

MACH (1) = .899 ALPHA (6) = 2.417 RUN = 150,000 RN/L = 6,000 BETA = 0.461

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5002 .6327

.020 .2023

.030 .3301

.048 .2835

.050 .1604

.085 .2030

.150 .0789

.177 .1750

.250 .1097

.274 .1749

.402 .2164

.565 .1432

.650 -.3192

.750 -.0573

.760 -.6391

.808 -.2785

.850 -.4117

.857 -.2938

.905 -.3983

.950 -.3160

.953 -.1846

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (1) = .898 ALPHA (7) = 4.586 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .4735 .6045

.020 .3744

.030 .4061

.048 .3535

.050 .2865

.085 .2686

.150 .1160

.177 .2237

.250 .1560

.274 .2106

.402 .2345

.565 .1502

.650 -.2883

.750 -.0324

.760 -.0227

.808 -.1665

.850 -.3549

.857 -.2906

.905 -.4468

.950 -.5445

.953 -.2947

MACH (1) = .899 ALPHA (8) = 6.742 RUN = 150,000 RN/L = 6,000 BETA = 8.461

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .4324 .5512

.020 .4989

.030 .4658

.048 .4097

.050 .3899

.085 .3202

.150 .1497

.177 .2595

.250 .2005

.274 .2353

.402 .2429

.565 .1470

.650 -.1953

.750 .0148

.760 -.5144

.808 -.0826

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1A7D Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (1) = .899 ALPHA (8) = 6.742

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.3212
.857	-.3177	
.903	-.4867	
.950		-.5384
.953	-.4479	

MACH (1) = .899 ALPHA (9) = 8.888 RUN = 150.000 RN/L = 8.000 BETA = 8.461

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4209	.5005
.020		.5892
.030	.5037	
.048	.4416	
.050		.4717
.085	.3414	
.150		.1785
.177	.2701	
.250		.2399
.274	.2413	
.402	.2358	
.563	.1326	
.650		-.1090
.750		.0449
.760	-.2852	
.808	-.0693	
.850		-.3011
.857	-.3605	
.903	-.5163	
.950		-.5166
.953	-.5542	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (2) = 1.076 ALPHA (1) = -8.645 RUN = 159.000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3384	.3744
.020		-.9407
.030	-.2494	
.048	-.1987	
.050		-.9766
.085	-.2266	
.150		-.5121
.177	-.1782	
.250		-.7663
.274	-.1124	
.402	-.2062	
.565	.2260	
.650		-.0526
.750		.1016
.760	-.3783	
.808	-.2999	
.850		-.1806
.857	-.5393	
.903	-.7080	
.950		-.4270
.953	-.7841	

MACH (2) = 1.092 ALPHA (2) = -6.585 RUN = 159.000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4497	.4711
.020		-.8421
.030	-.0715	
.048	-.0543	
.050		-.8615
.085	-.0922	
.150		-.4254
.177	-.1076	
.250		-.1850
.274	-.0437	
.402	.1016	
.565	.2772	
.650		-.0481
.750		.1196
.760	-.3337	
.808	-.2560	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (2) = 1.092 ALPHA (2) = -6.585

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.030 -.1639
.057 -.4967
.093 -.6702
.930 -.4112
.953 -.7693

MACH (2) = 1.103 ALPHA (3) = -4.424 RUN = 159,000 RN/L = 6,533 BETA = 8.599

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5140 .5557
.020 -.7230
.030 .0324
.048 .0596
.050 -.7313
.093 -.0284
.150 -.2475
.177 -.0353
.250 .1499
.274 .0060
.402 .2407
.563 .3200
.650 -.0349
.750 .1315
.760 -.3023
.806 -.2171
.850 -.1411
.857 -.4645
.903 -.6412
.950 -.3895
.953 -.7639

IA70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L53)

MACH (2) = 1.112 ALPHA (4) = -2.194 RUN = 159.000 RMY/L = 6.533 BETA = 0.599

SECTION-(1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5592	.6370
.020		-.5469
.030	.1626	
.048	.1536	
.050		-.4425
.085	.0327	
.150		.0626
.177	.0559	
.250		.1884
.274	.1310	
.402	.3067	
.565	.3466	
.650		-.0309
.750		.1444
.760	-.2794	
.808	-.1937	
.850		-.1215
.857	-.4422	
.905	-.6203	
.950		-.3711
.953	-.7474	

MACH (2) = 1.112 ALPHA (5) = .004 RUN = 159.000 RMY/L = 6.533 BETA = 0.599

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5782	.7261
.020		-.0075
.030	.2781	
.048	.2466	
.050		.0962
.085	.1470	
.150		.1158
.177	.1630	
.250		.2452
.274	.2171	
.402	.3424	
.565	.3386	
.650		-.0307
.750		.1520
.760	-.2760	
.808	-.1887	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (2) = 1.110 ALPHA (5) = .004

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.850		-.1199
.857	-.4398	
.905	-.6189	
.950		-.3740
.953	-.7480	

MACH (2) = 1.104 ALPHA (6) = 2.212 RUN = 159,000 RN/L = 6,533 BETA = 8.599

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.5713	.7584
.020		.2997
.030	.3801	
.048	.3382	
.050		.2858
.085	.2549	
.150		.1585
.177	.2503	
.250		.2989
.274	.2845	
.402	.3754	
.565	.3710	
.650		-.0307
.750		.1579
.760	-.2769	
.808	-.1851	
.850		-.1208
.857	-.4400	
.905	-.6228	
.950		-.3790
.953	-.7533	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (2) = 1.095 ALPHA (7) = 4.401 RUN = 159,000 RN/L = 6.533 BETA = 1.599

SECTION -(1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5411 .7299

.020 .4938

.030 .4598

.048 .4143

.050 .4267

.085 .3381

.150 .1907

.177 .3181

.250 .3432

.274 .3351

.402 .4035

.565 .3815

.650 -.0285

.750 .1625

.760 -.2798

.808 -.1807

.850 -.1225

.857 -.4437

.905 -.6305

.950 -.3831

.953 -.7546

MACH (2) = 1.086 ALPHA (8) = 6.591 RUN = 159,000 RN/L = 6.533 BETA = 8.599

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4759 .7032

.020 .6061

.030 .5316

.048 .4843

.050 .5154

.085 .4031

.150 .2099

.177 .3537

.250 .3700

.274 .3529

.402 .4013

.565 .3881

.650 -.0287

.750 .1641

.760 -.2915

.808 -.1899

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (2) = 1.086 ALPHA (8) = 6.591

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1248
.857 -.4411
.905 -.6215
.950 -.3796
.953 -.7367

MACH (2) = 1.077 ALPHA (9) = 8.784 RUN = 139.000 RN/L = 6.533 BETA = 8.599

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4750 .6643
.020 .6996
.030 .5859
.048 .5311
.050 .5973
.085 .4363
.150 .2282
.177 .3705
.250 .3987
.274 .3584
.402 .3878
.565 .3434
.650 -.0321
.750 .1688
.760 -.2975
.808 -.1820
.850 -.1245
.857 -.4303
.905 -.6082
.950 -.3765
.953 -.6890

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (3) = 1.106 ALPHA (1) = -8.662 RUN = 149,000 RN/L = 7.056 BETA = 0.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3320	.4358
.020		-.7625
.030	-.2505	
.040	-.2149	
.050		-.7994
.065	-.2404	
.150		-.4258
.177	-.0151	
.250		-.6715
.274	-.0326	
.402	-.1248	
.565	.2827	
.650		.0345
.750		.2206
.760	-.2292	
.808	-.1667	
.850		-.0313
.857	-.3805	
.905	-.5438	
.950		-.2791
.953	-.6548	

MACH (3) = 1.199 ALPHA (2) = -6.446 RUN = 149,000 RN/L = 7.056 BETA = 0.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3875	.5174
.020		-.6937
.030	-.1625	
.040	-.1533	
.050		-.7175
.065	-.2003	
.150		-.3648
.177	-.0191	
.250		-.4724
.274	.0123	
.402	-.0654	
.565	.3348	
.650		.0689
.750		.2419
.760	-.2017	
.808	-.1308	

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1A7D Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL53)

MACH (3) = 1.199 ALPHA (2) = -6.446

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.030		-.0226
.037	-.3309	
.905	-.5151	
.950		-.2686
.953	-.6293	

MACH (3) = 1.206 ALPHA (3) = -4.220 RUN = 149.000 RN/L = 7.036 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4344	.6060
.020		-.5868
.030	-.0792	
.040	-.0964	
.050		-.6024
.065	-.0963	
.150		-.2837
.177	.0916	
.250		-.1223
.274	.0716	
.402	.0762	
.565	.3758	
.650		.0791
.750		.2415
.760	-.1791	
.808	-.1035	
.850		-.0077
.857	-.3299	
.905	-.4944	
.950		-.2533
.953	-.6112	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (3) = 1.211 ALPHA (4) = -2.000 RUN = 149.000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4782	.6750
.020		-.4572
.030	.0294	
.048	-.0092	
.050		-.4348
.085	.0490	
.150		-.0684
.177	.0884	
.250		.1524
.274	.0912	
.402	.2972	
.565	.4030	
.650		.0866
.750		.2355
.760	-.1603	
.808	-.0851	
.850		-.0056
.857	-.3114	
.905	-.4776	
.950		-.2455
.953	-.5975	

MACH (3) = 1.207 ALPHA (5) = .248 RUN = 149.000 RN/L = 7.056 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4991	.7208
.020		-.2340
.030	.2064	
.048	.2171	
.050		-.1229
.085	.1543	
.150		.1352
.177	.1627	
.250		.2913
.274	.1435	
.402	.3746	
.565	.4265	
.650		.0715
.750		.2385
.780	-.1497	
.855	-.0677	

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L33)

MACH (3) = 1.207 ALPHA (5) = .246

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.0084
.837	-.3031	
.905	-.4727	
.950		-.2499
.953	-.5961	

MACH (3) = 1.203 ALPHA (6) = 2.456 RUN = 149,000 RN/L = 7,056 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5607	.7802
.020		.2453
.030	.3374	
.048	.3126	
.050		.2655
.085	.1920	
.150		.1620
.177	.2109	
.250		.3464
.274	.2703	
.402	.4162	
.565	.4477	
.650		.0757
.750		.2463
.760	-.1451	
.808	-.0605	
.850		-.0049
.857	-.3001	
.905	-.4704	
.950		-.2502
.953	-.5962	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (3) = 1.196 ALPHA (7) = 4.683 RUN = 149,000 RN/L = 7,056 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5374	.7916
.020		.4970
.030	.4322	
.048	.4015	
.050		.4488
.085	.3330	
.150		.2072
.177	.3177	
.250		.4056
.274	.3509	
.402	.4532	
.565	.4632	
.650		.0831
.750		.2611
.760	-.1413	
.808	-.0568	
.850		.0021
.857	-.2975	
.905	-.4681	
.950		-.2469
.953	-.5950	

MACH (3) = 1.197 ALPHA (8) = 6.885 RUN = 149,000 RN/L = 7,056 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5480	.7744
.020		.6358
.030	.5337	
.048	.4869	
.050		.5558
.085	.4026	
.150		.2287
.177	.3658	
.250		.4316
.274	.3783	
.402	.4514	
.565	.4492	
.650		.0777
.750		.2586
.760	-.1530	
.808	-.0608	

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WING LOWER SURFACE

(RF7L53)

MACH (3) = 1.167 ALPHA (9) = 8.885

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0026
.857 -.2963
.905 -.4643
.950 -.2462
.953 -.5887

MACH (3) = 1.173 ALPHA (9) = 9.098 RUN = 149,000 RN/L = 7,056 BETA = 8.662

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5888 .7399
.020 .7278
.030 .5880
.048 .5283
.050 .6300
.085 .4210
.130 .2401
.177 .3847
.250 .4485
.274 .3669
.402 .4137
.565 .3985
.650 .0682
.750 .2548
.760 -.1758
.808 -.0712
.850 -.0102
.857 -.2940
.905 -.4484
.950 -.2428
.953 -.5313

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (4) = 1.504 ALPHA (1) = -8.839 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000 .3662 .6072

.020 -.4040

.030 -.0558

.048 -.0711

.050 -.4386

.085 -.1323

.150 -.2166

.177 -.1039

.250 -.3678

.274 -.0930

.402 .0602

.565 .2096

.650 -.1005

.750 .0548

.760 .0334

.808 .1494

.850 .2865

.857 -.0754

.905 -.2263

.950 .0404

.953 -.3253

MACH (4) = 1.504 ALPHA (2) = -8.529 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000 .4049 .6488

.020 -.3636

.030 -.0194

.048 -.0320

.050 -.3899

.085 -.1008

.150 -.1864

.177 -.0906

.250 -.3136

.274 -.0876

.402 .0508

.565 .2360

.650 -.0008

.750 .1676

.760 .0412

.808 .1651

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WING LOWER SURFACE

(RF7L53)

MACH (4) = 1.504 ALPHA (2) = -6.529

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .2399
.857 -.0613
.905 -.2165
.950 .0379
.953 -.3185

MACH (4) = 1.504 ALPHA (3) = -4.282 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4653 .6957
.020 -.2991
.030 .0360
.048 .0079
.050 -.3251
.085 -.0680
.150 -.1540
.177 -.0776
.250 -.2517
.274 -.0551
.402 .0584
.565 .2901
.650 .1209
.750 .2709
.760 .0455
.808 .1769
.850 .2323
.857 -.0529
.905 -.2095
.950 .0347
.953 -.3126

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (4) = 1.504 ALPHA (4) = -2.019 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4823	.7382
.020		-.2283
.030	.0781	
.048	.0464	
.050		-.2517
.085	.0175	
.150		-.1088
.177	-.0586	
.250		-.1542
.274	.0057	
.402	.0791	
.565	.3872	
.650		.2511
.750		.3817
.760	.0601	
.808	.2040	
.850		.2519
.857	-.0368	
.905	-.1945	
.950		.0369
.953	-.2998	

MACH (4) = 1.504 ALPHA (5) = .218 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4968	.7732
.020		-.1395
.030	.1331	
.048	.0916	
.050		-.1399
.085	.1095	
.150		-.0339
.177	.0061	
.250		-.0443
.274	.0714	
.402	.1256	
.565	.5027	
.650		.3361
.750		.4046
.760	.0710	
.808	.2211	

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WING LOWER SURFACE

(RF7L53)

MACH (4) = 1.504 ALPHA (5) = .218

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 .2407
.857 -.0235
.905 -.1021
.950 .0271
.953 -.2893

MACH (4) = 1.504 ALPHA (6) = 2.468 RUN = 102,000 RN/L = 7,722 BETA = 8.710

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5157 .8040
.020 -.0126
.030 .2111
.048 .2290
.050 .0083
.085 .1279
.150 .0395
.177 .1225
.250 .0577
.274 .1113
.402 .1967
.565 .5711
.650 .3419
.750 .4188
.760 .0850
.808 .2508
.850 .2413
.857 -.0052
.905 -.1681
.950 .0268
.953 -.2791

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (4) = 1.504 ALPHA (7) = 4.702 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5460	.8395
.020		.1835
.030	.3257	
.048	.2768	
.050		.2127
.085	.1702	
.150		.0924
.177	.1969	
.250		.2865
.274	.1444	
.402	.2981	
.565	.6134	
.650		.3340
.750		.4201
.760	.1017	
.808	.2801	
.850		.2402
.857	.0131	
.905	-.1487	
.950		.0306
.953	-.2647	

MACH (4) = 1.504 ALPHA (8) = 6.945 RUN = 102.000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5774	.8797
.020		.4749
.030	.3607	
.048	.3318	
.050		.4290
.055	.2206	
.150		.2026
.177	.2423	
.250		.5620
.274	.4166	
.402	.4418	
.565	.6029	
.650		.3158
.750		.4073
.760	.0912	
.808	.2704	

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WING LOWER SURFACE

(RF7L53)

MACH (4) = 1.504 ALPHA (8) = 6.945

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 .2337
.057 .0084
.905 -.1507
.930 .0316
.953 -.2666

MACH (4) = 1.504 ALPHA (9) = 9.193 RUN = 102,000 RN/L = 7.722 BETA = 8.710

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .6306 .8749
.020 .6820
.030 .4333
.048 .3941
.050 .6003
.085 .3157
.150 .3024
.177 .4256
.250 .5518
.274 .2424
.402 .5150
.565 .5210
.650 .2896
.750 .3851
.760 .0639
.808 .2517
.850 .2265
.857 .0058
.905 -.1384
.950 .0411
.953 -.2400

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 4.000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 BOFLAP = .000
 ELV-1B = 9.000 ELV-CB = 8.000

MACH (1) = .903 ALPHA (1) = -8.340 RUN = 151,000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1924 .0753
 .020 -1.0841
 .030 -.3794
 .048 -.2931
 .050 -1.0696
 .085 -.3591
 .150 -.5676
 .177 -.2398
 .250 -.8610
 .274 -.1871
 .402 -.0240
 .565 .0045
 .650 -.3311
 .750 -.1694
 .760 -.7108
 .808 -.4867
 .850 -.4943
 .857 -.6818
 .905 -.3073
 .950 -.1769
 .953 -.1683

MACH (1) = .898 ALPHA (2) = -6.179 RUN = 151,000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2953 .2059
 .020 -1.0207
 .030 -.2394
 .048 -.1867
 .050 -.9815
 .085 -.2536
 .150 -.4226
 .177 -.1636
 .250 -.0182

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (1) = .898 ALPHA (2) = -6.179

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1142	
.402	.0245	
.565	.0305	
.650		-.3732
.750		-.1808
.760	-.6969	
.808	-.4156	
.850		-.5216
.857	-.5711	
.905	-.3223	
.950		-.0693
.953	-.1752	

MACH (1) = .897 ALPHA (3) = -4.058 RUN = 151,000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3790	.3384
.020		-.8830
.030	-.0937	
.048	-.0780	
.050		-.6231
.085	-.1381	
.150		-.1310
.177	-.0668	
.250		-.1094
.274	-.0482	
.402	.0607	
.565	.0502	
.650		-.3992
.750		-.1795
.760	-.6832	
.808	-.3733	
.850		-.5115
.857	-.4797	
.905	-.3491	
.950		-.0635
.953	-.1832	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (1) = .898 ALPHA (4) = -1.913 RUN = 151,000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4316	.4575
.020		-.5356
.030	.0421	
.048	.0308	
.050		-.2498
.085	-.0345	
.150		-.0521
.177	-.0152	
.250		-.0498
.274	.0097	
.402	.0922	
.565	.0630	
.630		-.3971
.750		-.1695
.760	-.6853	
.808	-.3558	
.850		-.4716
.857	-.3966	
.905	-.3681	
.950		-.0746
.953	-.2009	

MACH (1) = .899 ALPHA (5) = .229 RUN = 151,000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4372	.5354
.020		-.1647
.030	.1579	
.048	.1281	
.050		-.1012
.085	.0565	
.150		.0004
.177	.0497	
.250		.0077
.274	.0610	
.402	.1225	
.565	.0759	
.650		-.3909
.750		-.1200
.760	-.6758	
.808	-.3302	

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1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RFTL54)

MACH (1) = .899 ALPHA (5) = .229

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.4491
.857 -.3492
.905 -.4113
.950 -.1615
.953 -.2321

MACH (1) = .900 ALPHA (6) = 2.381 RUN = 151.000 RN/L = 5.978 BETA = 4.231

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4532 .5634
.020 .0941
.030 .2597
.048 .2174
.050 .0735
.085 .1411
.150 .0453
.177 .1111
.250 .0608
.274 .1085
.402 .1489
.565 .0842
.650 -.3723
.750 -.1022
.760 -.6598
.800 -.2800
.850 -.4317
.857 -.3143
.905 -.4283
.950 -.4735
.953 -.2960

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (1) = .898 ALPHA (7) = 4.513 RUN = 151.000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4237	.5431
.020		.2606
.030	.3417	
.048	.2922	
.050		.2112
.085	.2119	
.150		.0841
.177	.1650	
.250		.1052
.274	.1504	
.402	.1720	
.565	.0870	
.650		-.3497
.750		-.0525
.760	-.5413	
.808	-.1075	
.850		-.3546
.857	-.3220	
.905	-.4906	
.950		-.5349
.953	-.3158	

MACH (1) = .899 ALPHA (8) = 6.653 RUN = 151.000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3995	.5048
.020		.4138
.030	.3959	
.048	.3410	
.050		.3184
.085	.2577	
.150		.1183
.177	.2025	
.250		.1525
.274	.1817	
.402	.1904	
.565	.0936	
.650		-.2984
.750		-.0102
.760	-.4417	
.808	-.0818	

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WING LOWER SURFACE

(RFTL54)

MACH (1) = .899 ALPHA (8) = 6.653

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.3345
.857 -.3405
.905 -.5089
.950 -.5511
.953 -.4450

MACH (1) = .899 ALPHA (9) = 8.785 RUN = 151,000 RN/L = 5.978 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3655 .4525
.020 .5138
.030 .4248
.048 .3705
.050 .4060
.085 .2855
.150 .1488
.177 .2231
.250 .1956
.274 .1945
.402 .1895
.565 .0832
.650 -.1769
.750 .0182
.760 -.2905
.808 -.0798
.850 -.3179
.857 -.3705
.905 -.5316
.950 -.5332
.953 -.4774

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (2) = 1.084 ALPHA (1) = -8.687 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.2762	.2735
.020		-.9638
.030	-.2364	
.048	-.1858	
.050		-1.0011
.085	-.1589	
.150		-.5192
.177	-.1839	
.250		-.5593
.274	-.1202	
.402	-.1727	
.565	.1499	
.650		-.1090
.750		.0648
.760	-.4015	
.808	-.3334	
.850		-.2096
.857	-.5582	
.905	-.7138	
.950		-.4419
.953	-.7863	

MACH (2) = 1.098 ALPHA (2) = -6.484 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000	.3748	.3707
.020		-.8759
.030	-.0846	
.048	-.0682	
.050		-.8924
.085	-.1172	
.150		-.4177
.177	-.0904	
.250		-.3076
.274	-.0702	
.402	.0339	
.565	.1993	
.850		-.0649
.750		.0963
.760	-.3698	
.808	-.2991	

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TABULATED PRESSURE DATA - 1A7D

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1A7D Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (2) = 1.098 ALPHA (2) = -6.484

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.1681

.057 -.5213

.905 -.6733

.950 -.4159

.953 -.7561

MACH (2) = 1.113 ALPHA (3) = -4.297 RUN = 158,000 RN/L = 6.378 BETA = 4.500

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4326 .4673

.020 -.7469

.030 .0086

.048 .0364

.050 -.7361

.065 -.0549

.150 -.1435

.177 -.0027

.250 .0306

.274 -.0189

.402 .1351

.565 .2422

.650 -.0559

.750 .1009

.760 -.3325

.808 -.2591

.850 -.1491

.857 -.4856

.905 -.6438

.950 -.3963

.953 -.7371

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (2) = 1.121 ALPHA (4) = -2.091 RUN = 158.000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4660	.5473
.020		-.5909
.030	.1073	
.048	.1041	
.050		-.5087
.085	.0078	
.150		.0461
.177	.0505	
.250		.1982
.274	.0246	
.402	.2250	
.565	.2829	
.650		-.0572
.750		.1119
.760	-.3028	
.808	-.2292	
.850		-.1396
.857	-.4600	
.905	-.6254	
.950		-.3659
.953	-.7290	

MACH (2) = 1.121 ALPHA (5) = .085 RUN = 158.000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4803	.6316
.020		-.1015
.030	.2204	
.048	.1965	
.050		.0650
.085	.0970	
.150		.1051
.177	.0960	
.250		.2187
.274	.1452	
.402	.2748	
.565	.3047	
.650		-.0518
.750		.1188
.760	-.2916	
.808	-.2171	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (2) = 1.121 ALPHA (5) = .085

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1388
.857 -.4518
.905 -.6202
.950 -.3852
.953 -.7352

MACH (2) = 1.112 ALPHA (6) = 2.288 RUN = 158,000 RN/L = 8.578 BETA = 4.300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4778 .6881
.020 .2446
.030 .3341
.048 .2951
.050 .2383
.085 .2195
.150 .1488
.177 .1907
.250 .2710
.274 .2119
.402 .3068
.565 .3149
.650 -.0573
.750 .1234
.760 -.2941
.808 -.2166
.850 -.1436
.857 -.4560
.905 -.6275
.950 -.3950
.953 -.7517

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (2) = 1.101 ALPHA (7) = 4.473 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4429	.6603
.020		.4328
.030	.4237	
.048	.3803	
.050		.3776
.085	.3029	
.150		.1734
.177	.2548	
.250		.3043
.274	.2553	
.402	.3166	
.565	.3041	
.650		-.0621
.750		.1218
.760	-.3084	
.808	-.2273	
.850		-.1494
.857	-.4669	
.905	-.6410	
.950		-.4031
.953	-.7377	

MACH (2) = 1.091 ALPHA (8) = 6.672 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3948	.6440
.020		.5519
.030	.4800	
.048	.4339	
.050		.4701
.085	.3560	
.150		.1925
.177	.2981	
.250		.3349
.274	.2850	
.402	.3247	
.565	.2947	
.650		-.0640
.750		.1241
.760	-.3191	
.808	-.2278	

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WING LOWER SURFACE

(RF7L54)

MACH (2) = 1.091 ALPHA (8) = 6.672

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1502
.857 -.4730
.905 -.6467
.950 -.3999
.953 -.7322

MACH (2) = 1.083 ALPHA (9) = 8.858 RUN = 158,000 RN/L = 6.578 BETA = 4.300

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3343 .6151
.020 .6447
.030 .5186
.048 .4737
.050 .5482
.085 .3926
.150 .2116
.177 .3231
.250 .3665
.274 .3015
.402 .3239
.565 .2811
.650 -.0567
.750 .1344
.760 -.3248
.808 -.2260
.859 -.1466
.857 -.4653
.905 -.6354
.950 -.3964
.953 -.7327

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (3) = 1.199 ALPHA (1) = -8.657 RUN = 125.000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .2065 .2923

.020 -.7936

.030 -.3124

.048 -.2267

.050 -.8323

.085 -.1653

.150 -.4476

.177 -.1251

.250 -.6219

.274 -.0753

.402 -.1719

.565 .1876

.650 .0155

.750 .1932

.760 -.2243

.808 -.1878

.850 -.0804

.857 -.4107

.905 -.5634

.950 -.3054

.953 -.6685

MACH (3) = 1.210 ALPHA (2) = -6.403 RUN = 125.000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .2696 .4035

.020 -.7215

.030 -.2318

.048 -.1895

.050 -.7510

.085 -.1001

.150 -.3804

.177 -.0632

.250 -.3639

.274 -.0263

.402 -.0951

.565 .2367

.650 .0362

.750 .2059

.760 -.1923

.808 -.1528

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WING LOWER SURFACE

(RF7L54)

MACH (3) = 1.210 ALPHA (2) = -6.403

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0495
.857 -.3826
.905 -.5358
.950 -.2847
.953 -.6389

MACH (3) = 1.217 ALPHA (3) = -4.211 RUN = 125.000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3449 .4982
.020 -.6239
.030 -.1115
.048 -.1017
.050 -.6382
.085 .0267
.150 -.2976
.177 .0209
.250 -.1512
.274 .0044
.402 -.0326
.565 .2891
.650 .0587
.750 .2112
.760 -.1654
.800 -.1262
.850 -.0280
.857 -.3563
.905 -.5125
.950 -.2644
.953 -.6204

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L34)

MACH (3) = 1.220 ALPHA (4) = -1.989 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4010 .5764

.020 -.5023

.030 -.0044

.048 .0495

.050 -.4827

.085 .0428

.150 -.0931

.177 .0578

.250 -.1091

.274 .0448

.402 .1442

.565 .3313

.650 .0668

.750 .2244

.760 -.1410

.808 -.0991

.830 -.0291

.857 -.3382

.905 -.4962

.950 -.2615

.955 -.6106

MACH (3) = 1.219 ALPHA (5) = .222 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4169 .6309

.020 -.2868

.030 .1564

.048 .1629

.050 -.1678

.085 .1428

.150 -.0474

.177 .0969

.250 .2879

.274 .1138

.402 .2789

.565 .3646

.650 .0508

.750 .2271

.760 -.1250

.808 -.0798

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (3) = 1.219 ALPHA (5) = .222

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.0354

.837 -.3242

.905 -.4882

.950 -.2690

.953 -.6074

MACH (3) = 1.212 ALPHA (6) = 2.443 RUN = 125.000 RM/L = 7.100 BETA = 4.336

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4751 .6732

.020 .0322

.030 .3180

.048 .2971

.050 .1522

.085 .1762

.150 .1317

.177 .1732

.250 .3018

.274 .1518

.402 .3358

.565 .3761

.650 .0515

.750 .2372

.760 -.1193

.808 -.0721

.850 -.0338

.857 -.3209

.905 -.4879

.950 -.2703

.953 -.6117

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L34)

MACH (3) = 1.204 ALPHA (7) = 4.645 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4618	.7003
.020		.3934
.030	.4002	
.048	.3566	
.050		.3568
.085	.2672	
.150		.1704
.177	.2188	
.250		.3458
.274	.2432	
.402	.3455	
.565	.3676	
.650		.0499
.750		.2402
.760	-.1253	
.808	-.0739	
.850		-.0362
.857	-.3231	
.905	-.4913	
.950		-.2721
.953	-.6170	

MACH (3) = 1.194 ALPHA (8) = 6.842 RUN = 125,000 RN/L = 7.100 BETA = 4.336

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3955	.6946
.020		.5499
.030	.4552	
.048	.4167	
.050		.4814
.085	.3453	
.150		.1969
.177	.2852	
.250		.3810
.274	.2823	
.402	.3502	
.565	.3521	
.650		.0439
.750		.2440
.760	-.1350	
.808	-.0761	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (3) = 1.194 ALPHA (8) = 6.842

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.850 -.0370
.857 -.3286
.905 -.4960
.950 -.2687
.953 -.6206

MACH (3) = 1.183 ALPHA (9) = 9.042 RUN = 125,000 RN/L = 7,100 BETA = 4.336

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3782 .6715
.020 .6601
.030 .5021
.048 .4595
.050 .5733
.085 .3799
.150 .2170
.177 .3104
.250 .4095
.274 .3006
.402 .3453
.565 .3281
.650 .0403
.750 .2490
.760 -.1491
.808 -.0848
.850 -.0378
.857 -.3306
.905 -.4944
.950 -.2613
.953 -.6188

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L34)

MACH (4) = 1.504 ALPHA (1) = -8.749 RUN = 124.000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2477	.4491
.020		-.4557
.030	-.2022	
.048	-.1600	
.050		-.4910
.085	-.1707	
.150		-.2495
.177	-.1649	
.250		-.4387
.274	-.1489	
.402		.0090
.565	.0842	
.650		-.2017
.750		.0389
.760	.0015	
.808	.0442	
.850		.2075
.857	-.1431	
.905	-.2714	
.950		-.0339
.953	-.3699	

MACH (4) = 1.504 ALPHA (2) = -6.486 RUN = 124.000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3097	.5149
.020		-.4266
.030	-.1163	
.048	-.1012	
.050		-.4584
.085	-.1413	
.150		-.2276
.177	-.1537	
.250		-.3914
.274	-.1375	
.402	.0228	
.565	.1197	
.650		-.0952
.750		.1672
.760	.0173	
.808	.0558	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1-T12 S1 P2 P8

WING LOWER SURFACE

(RFTL54)

MACH (4) = 1.504 ALPHA (2) = -6.486

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .1793
.857 -.1347
.905 -.2654
.950 -.0246
.953 -.3657

MACH (4) = 1.504 ALPHA (3) = -4.275 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3469 .5572
.020 .3781
.030 -.0482
.048 -.0589
.050 -.4020
.085 -.0941
.150 -.1950
.177 -.1281
.250 -.3309
.274 -.1075
.402 .0412
.565 .1922
.650 .0504
.750 .3016
.760 .0341
.808 .0725
.850 .2122
.857 -.1224
.905 -.2554
.950 -.0067
.953 -.3573

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (4) = 1.504 ALPHA (4) = -2.037 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3790 .6040

.020 .3018

.030 .0112

.048 -.0131

.050 -.3272

.065 -.0210

.130 -.1491

.177 -.0898

.250 -.2228

.274 -.0616

.402 .0629

.565 .3144

.650 .2341

.750 .3861

.760 .0634

.808 .1091

.850 .2107

.857 -.0984

.905 -.2366

.950 -.0050

.953 -.3416

MACH (4) = 1.504 ALPHA (5) = .212 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4014 .6741

.020 -.1938

.030 .0724

.048 .0546

.050 -.1959

.065 .0427

.130 -.0397

.177 .0081

.250 -.0942

.274 .0201

.402 .0952

.565 .3986

.650 .2990

.750 .4225

.760 .0909

.808 .1439

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (4) = 1.304 ALPHA (5) = .212

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 .2177
.057 -.0758
.905 -.0198
.950 -.0023
.953 -.3281

MACH (4) = 1.304 ALPHA (6) = 2.439 RUN = 124.000 RN/L = 7.478 BETA = 4.357

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4227 .7093
.020 -.0650
.030 .2074
.048 .1926
.050 -.0412
.083 .0723
.150 .0171
.177 .0803
.250 .0320
.274 .0941
.402 .1573
.565 .4598
.650 .3132
.750 .4449
.760 .1117
.808 .1686
.850 .2177
.857 -.0582
.905 -.2054
.950 -.0036
.953 -.3162

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L34)

MACH (4) = 1.504 ALPHA (7) = 4.682 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4539	.7406
.020		.1698
.030	.2662	
.040	.2196	
.050		.1754
.085	.1320	
.150		.1095
.177	.1744	
.250		.2536
.274	.2001	
.402	.2587	
.565	.4848	
.650		.3056
.750		.4550
.760	.1215	
.808	.1849	
.850		.2147
.857	-.0450	
.905	-.1944	
.950		-.0071
.953	-.3072	

MACH (4) = 1.504 ALPHA (8) = 6.918 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4492	.7679
.020		.4010
.030	.3435	
.040	.3317	
.050		.3662
.085	.2597	
.150		.1581
.177	.2601	
.250		.2919
.274	.2789	
.402	.2626	
.565	.4695	
.650		.2919
.750		.4513
.760	.1126	
.808	.1769	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L54)

MACH (4) = 1.504 ALPHA (8) = 6.918

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .2030

.857 -.0462

.905 -.1927

.950 -.0098

.953 -.3047

MACH (4) = 1.504 ALPHA (9) = 9.139 RUN = 124,000 RN/L = 7.478 BETA = 4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4896 .7832

.020 .5933

.030 .4047

.048 .3842

.050 .5159

.085 .3127

.150 .2185

.177 .3204

.250 .3905

.274 .2601

.402 .2462

.565 .4378

.650 .2329

.750 .4032

.760 .1033

.808 .1661

.850 .1779

.857 -.0467

.905 -.1083

.950 -.0094

.953 -.2980

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 SDFLAP = .000
 ELV-1B = 8.000 ELV-CB = 8.000

MACH (1) = .900 ALPHA (1) = -8.317 RUN = 152,000 RN/L = 6,000 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1226 -.0766
 .020 -1.1131
 .030 -.3788
 .048 -.2918
 .050 -1.0949
 .085 -.3306
 .130 -.6091
 .177 -.2218
 .250 -.8460
 .274 -.1803
 .402 -.1107
 .565 -.1354
 .650 -.3855
 .750 -.2333
 .760 -.5643
 .808 -.3761
 .850 -.5108
 .857 -.5081
 .905 -.4492
 .950 -.2130
 .953 -.2809

MACH (1) = .897 ALPHA (2) = -6.165 RUN = 152,000 RN/L = 6,000 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2331 .0740
 .020 -1.1035
 .030 -.2425
 .048 -.1881
 .050 -1.0818
 .085 -.2344
 .150 -.4974
 .177 -.1803
 .250 -.0678

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P3

WING LOWER SURFACE

(RF7L55)

MACH (1) = .897 ALPHA (2) = -6.165

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1248
.402	-.0530
.565	-.1115
.650	-.4321
.750	-.2441
.760	-.5347
.808	-.3563
.850	-.5430
.857	-.4833
.905	-.4251
.950	-.1397
.953	-.2637

MACH (1) = .897 ALPHA (3) = -4.015 RUN = 152.000 RN/L = 6.000 BETA = .030

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3113	.2049
.020		-.8338
.030	-.1316	
.048	-.1074	
.050		-.6797
.085	-.1572	
.150		-.2190
.177	-.1111	
.250		-.1572
.274	-.0840	
.402	-.0103	
.565	-.0715	
.650		-.4419
.750		-.2151
.760	-.5753	
.808	-.3560	
.850		-.5335
.857	-.4519	
.905	-.4302	
.950		-.1879
.953	-.2596	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L33)

MACH (1) = .898 ALPHA (4) = -1.883 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION-(1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3723	.3418
.020		-.6909
.030	-.0091	
.048	-.0110	
.050		-.3330
.085	-.0662	
.150		-.0911
.177	-.0495	
.250		-.0974
.274	-.0326	
.402	.0254	
.565	-.0442	
.650		-.4371
.750		-.2178
.760	-.5786	
.808	-.3328	
.850		-.5057
.857	-.4172	
.905	-.4485	
.950		-.1907
.953	-.2970	

MACH (1) = .898 ALPHA (5) = .275 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4049	.4433
.020		-.2842
.030	.1087	
.048	.0942	
.050		-.1873
.085	.0199	
.150		-.0363
.177	.0095	
.250		-.0445
.274	.0136	
.402	.0521	
.565	-.0319	
.650		-.4384
.750		-.1733
.760	-.5506	
.808	-.2695	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (1) = .898 ALPHA (5) = .275

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4705
.857 -.4021
.905 -.4801
.950 -.2863
.953 -.3729

MACH (1) = .898 ALPHA (6) = 2.419 RUN = 152,000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4034 .4848
.020 -.0022
.030 .2071
.048 .1692
.050 -.0041
.085 .0988
.150 .0102
.177 .0656
.250 .0113
.274 .0570
.402 .0782
.565 -.0187
.650 -.4228
.750 -.1462
.760 -.4862
.808 -.1963
.850 -.4161
.857 -.3860
.905 -.5003
.950 -.4920
.953 -.4800

1A70 Q1 T12 S1 P2 P8 .WING LOWER SURFACE (RF7L55)

MACH (1) = .900 ALPHA (7) = 4.371 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3787	.4764
.020		.1869
.030	.2820	
.048	.2370	
.050		.1384
.083	.1630	
.150		.0504
.177	.1143	
.250		.0576
.274	.0959	
.402	.1043	
.563	-.0011	
.650		-.4037
.750		-.0894
.760	-.4142	
.808	-.1578	
.850		-.3681
.857	-.3844	
.903	-.5183	
.930		-.5636
.953	-.5357	

MACH (1) = .899 ALPHA (8) = 6.693 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3438	.4330
.020		.3169
.030	.3279	
.048	.2807	
.050		.2385
.083	.2046	
.150		.0793
.177	.1473	
.250		.0893
.274	.1230	
.402	.1200	
.563	.0034	
.650		-.3639
.750		-.0596
.760	-.3924	
.808	-.1338	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (1) = .899 ALPHA (0) = 6.695

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.3618
.857 -.3875
.903 -.5333
.950 -.5576
.953 -.4968

MACH (1) = .900 ALPHA (0) = 6.830 RUN = 152.000 RN/L = 6.000 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2956 .3687
.020 .4281
.030 .3567
.048 .3094
.050 .3321
.085 .2343
.150 .1142
.177 .1738
.250 .1499
.274 .1462
.402 .1313
.565 .0079
.650 -.2408
.750 -.0221
.760 -.2458
.808 -.1376
.850 -.3367
.857 -.4156
.903 -.5500
.950 -.5407
.953 -.4419

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REF7L33)

MACH (2) = 1.068 ALPHA (1) = -8.579 RUN = 157.000 RN/L = 6.556 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2111	.1165
.020		-.9937
.030	-.1826	
.048	-.1441	
.050		-.9573
.065	-.1909	
.150		-.4626
.177	-.1430	
.250		-.7361
.274	-.1365	
.402	-.0603	
.565	-.0678	
.650		-.1604
.750		-.0283
.760	-.5034	
.808	-.4134	
.850		-.2356
.857	-.5633	
.905	-.6958	
.950		-.4727
.953	-.7818	

MACH (2) = 1.103 ALPHA (2) = -6.462 RUN = 157.000 RN/L = 6.556 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3125	.2668
.020		-.9239
.030	-.0797	
.048	-.0754	
.050		-.9143
.065	-.1149	
.150		-.3335
.177	-.0646	
.250		-.3432
.274	-.0693	
.402	.0171	
.565	-.0044	
.650		-.1220
.750		.0210
.760	-.4663	
.808	-.3925	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (2) = 1.103 ALPHA (2) = -6.462

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		-.2056
.857		-.5417
.903		-.8694
.950		-.4475
.953		-.7422

MACH (2) = 1.116 ALPHA (3) = -4.310 RUN = 157.000 RN/L = 6.556 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3715	.3580
.020		-.8045
.030	.0018	
.048	.0078	
.050		-.7794
.085	-.0576	
.150		-.1511
.177	-.0272	
.250		-.1420
.274	-.0252	
.402	.0516	
.565	.0469	
.630		-.0927
.750		.0607
.760	-.4319	
.808	-.3517	
.850		-.1827
.857	-.5091	
.903	-.6358	
.950		-.4229
.953	-.7004	

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L35)

MACH (2) = 1.129 ALPHA (4) = -2.067 RUN = 157.000 RN/L = 6.556 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4076	.4442
.020		-.6326
.030	.0952	
.040	.0936	
.050		-.5513
.065	.0133	
.150		-.0603
.177	.0288	
.250		.1003
.274	.0292	
.402	.0988	
.565	.0998	
.650		-.0925
.750		.0588
.760	-.3979	
.808	-.3242	
.850		-.1833
.857	-.4884	
.903	-.6132	
.950		-.4158
.953	-.7069	

MACH (2) = 1.134 ALPHA (5) = .069 RUN = 157.000 RN/L = 6.556 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4339	.5159
.020		-.3284
.030	.1863	
.040	.1655	
.050		-.2013
.065	.0741	
.150		.1070
.177	.0674	
.250		.1716
.274	.0803	
.402	.1524	
.565	.1451	
.650		-.0853
.750		.0736
.760	-.3675	
.808	-.2908	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL55)

MACH (2) = 1.134 ALPHA (5) = .069

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.1727
.857 -.4817
.903 -.6176
.950 -.4089
.953 -.7109

MACH (2) = 1.125 ALPHA (6) = 2.279 RUN = 157.000 RN/L = 6.556 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4163 .5928
.020 .1068
.030 .2856
.048 .2499
.050 .1323
.063 .1782
.130 .1194
.177 .1418
.250 .2131
.274 .1441
.402 .1946
.563 .1602
.650 -.0863
.730 .0794
.760 -.3670
.808 -.2869
.850 -.1743
.857 -.4898
.903 -.6357
.950 -.4136
.953 -.7321

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L33)

MACH (2) = 1.116 ALPHA (7) = 4.482 RUN = 157.000 RIN/L = 6.556 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3723	.6066
.020		.3369
.030	.3670	
.040	.3246	
.050		.2902
.065	.2517	
.150		.1496
.177	.1904	
.250		.2536
.274	.1785	
.402	.2098	
.565	.1580	
.650		-.0958
.750		.0779
.760	-.3807	
.808	-.2949	
.850		-.1627
.857	-.5019	
.905	-.6480	
.950		-.4234
.953	-.7403	

MACH (2) = 1.107 ALPHA (8) = 6.753 RUN = 157.000 RIN/L = 6.556 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3194	.5950
.020		.4610
.030	.4099	
.040	.3669	
.050		.3932
.065	.2913	
.150		.1714
.177	.2228	
.250		.2860
.274	.2030	
.402	.2175	
.565	.1545	
.650		-.0921
.750		.0852
.760	-.3871	
.808	-.2932	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (2) = 1.107 ALPHA (8) = 6.753

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.1809
.857 -.5040
.905 -.6490
.950 -.4226
.953 -.7337

MACH (2) = 1.101 ALPHA (9) = 8.878 RUN = 157.000 RN/L = 6.538 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2259 .5749
.020 .5477
.030 .3985
.048 .3621
.050 .4628
.085 .2941
.150 .1977
.177 .2300
.250 .3113
.274 .2074
.402 .2061
.565 .1286
.650 -.0901
.750 .0904
.760 -.4024
.808 -.3041
.850 -.1791
.857 -.5046
.905 -.6384
.950 -.4146
.953 -.6929

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (3) = 1.202 ALPHA (1) = -8.651 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1358	.1801
.020		-.8200
.030	-.2528	
.048	-.1909	
.050		-.8377
.085	-.2017	
.150		-.4323
.177	-.1420	
.250		-.5509
.274	-.1403	
.402	-.0594	
.565	-.0264	
.650		-.0653
.750		.0712
.760	-.3359	
.808	-.2911	
.850		-.1202
.857	-.4407	
.905	-.5619	
.950		-.3413
.953	-.6616	

MACH (3) = 1.213 ALPHA (2) = -6.407 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2292	.2982
.020		-.7570
.030	-.1345	
.048	-.1068	
.050		-.7865
.085	-.1343	
.150		-.3943
.177	-.0564	
.250		-.3953
.274	-.0649	
.402	.0045	
.565	.0054	
.650		-.0202
.750		.1367
.760	-.3083	
.908	-.2735	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL55)

MACH (3) = - 1.213 ALPHA (2) = -6.407

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.0897
.057 -.4219
.905 -.5411
.950 -.3205
.953 -.6411

MACH (3) = 1.220 ALPHA (3) = -4.208 RUN = 126,000 RN/L = 7.122 BETA = .000

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3381 .3784
.020 -.6752
.030 .0039
.040 -.0020
.050 -.6882
.085 -.0488
.150 -.2870
.177 -.0210
.250 -.1998
.274 -.0050
.402 .0606
.565 .0538
.650 .0143
.750 .1630
.760 -.2841
.808 -.2517
.850 -.0728
.857 -.4105
.905 -.5266
.950 -.2967
.953 -.6243

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L33)

MACH (3) = 1.224 ALPHA (4) = -1.997 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3961	.4682
.020		-.5489
.030	.1026	
.048	.0894	
.050		-.5183
.085	.0170	
.150		-.1171
.177	.0466	
.250		-.0634
.274	.0317	
.402	.1083	
.565	.1097	
.650		.0312
.750		.1721
.760	-.2577	
.808	-.2259	
.850		-.0727
.857	-.3947	
.903	-.5146	
.950		-.2934
.953	-.6100	

MACH (3) = 1.225 ALPHA (5) = .222 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4181	.5346
.020		-.3271
.030	.1873	
.048	.1693	
.050		-.2076
.085	.0850	
.150		-.0435
.177	.0982	
.250		.0447
.274	.0763	
.402	.1508	
.565	.1724	
.650		.0276
.750		.1809
.760	-.2293	
.808	-.1954	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L53)

MACH (3) = 1.225 ALPHA (5) = .222

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0747

.857 -.3773

.905 -.5078

.950 -.2972

.953 -.6054

MACH (3) = 1.218 ALPHA (6) = 2.441 RUN = 126,000 RN/L = 7.122 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4134 .5839

.020 -.0370

.030 .2694

.048 .2361

.050 .0193

.085 .1418

.150 .0324

.177 .1410

.250 .2834

.274 .1319

.402 .1678

.585 .1983

.650 .0137

.750 .1818

.760 -.2220

.808 -.1885

.850 -.0789

.857 -.3816

.905 -.5234

.950 -.3000

.953 -.6244

IA7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (3) = 1.211 ALPHA (7) = 4.650 RUN = 126.000 RNL = 7.122 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3872	.5929
.020		.2517
.030	.3543	
.048	.3150	
.050		.2378
.085	.2359	
.150		.1317
.177	.1764	
.250		.2820
.274	.1646	
.402	.2176	
.565	.1966	
.650		.0117
.750		.1852
.760	-.2327	
.808	-.1971	
.850		-.0820
.857	-.3896	
.905	-.5315	
.950		-.3031
.953	-.6321	

MACH (3) = 1.204 ALPHA (6) = 6.650 RUN = 126.000 RNL = 7.122 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3136	.6081
.020		.4413
.030	.5936	
.048	.3549	
.050		.3800
.085	.2618	
.150		.1640
.177	.2122	
.250		.3208
.274	.2021	
.402	.2342	
.565	.1933	
.650		.0132
.750		.1943
.760	-.2384	
.808	-.1965	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (3) = 1.204 ALPHA (8) = 6.830

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0783
.857 -.3895
.905 -.5280
.950 -.2997
.953 -.6282

MACH (3) = 1.195 ALPHA (9) = 9.040 RUN = 126.000 RN/L = 7.122 BETA = .000

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1818 .6002
.020 .5594
.030 .3779
.048 .3476
.050 .4827
.085 .2888
.150 .1854
.177 .2269
.250 .3501
.274 .2068
.402 .2191
.565 .1570
.650 .0071
.750 .1972
.760 -.2617
.808 -.2196
.850 -.0799
.857 -.3980
.905 -.5270
.950 -.2938
.953 -.6110

1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L55)

MACH (4) = 1.504 ALPHA (1) = -8.737 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1271	.2886
.020		-.4984
.030	-.2993	
.048	-.2219	
.050		-.5301
.085	-.2009	
.150		-.2742
.177	-.1633	
.250		-.4911
.274	-.1353	
.402	-.0397	
.565	.0271	
.650		-.2081
.750		.1525
.760	-.1615	
.808	-.0720	
.850		.0377
.857	-.2285	
.905	-.3362	
.950		-.1382
.953	-.3994	

MACH (4) = 1.504 ALPHA (2) = -6.457 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1671	.3469
.020		-.4763
.030	-.1901	
.048	-.1471	
.050		-.5084
.085	-.1703	
.150		-.2576
.177	-.1418	
.250		-.4544
.274	-.1089	
.402	.0010	
.565	.0404	
.650		-.0234
.750		.1590
.760	-.1632	
.808	-.0737	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P6

WING LOWER SURFACE

(RFTL95)

MACH (4) = 1.504 ALPHA (2) = -6.457

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .0716
.857 -.2305
.905 -.3365
.950 -.1058
.953 -.4002

MACH (4) = 1.504 ALPHA (3) = -4.235 RUN. = 103.000 RM/L = 7.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2171 .4044
.020 -.4365
.030 -.0798
.048 -.0831
.050 -.4614
.085 -.1254
.150 -.2282
.177 -.1094
.250 -.3911
.274 -.0657
.402 .0383
.565 .0657
.650 .1323
.750 .2288
.760 -.1582
.808 -.0607
.850 .1134
.857 -.2167
.905 -.3239
.950 -.0745
.953 -.3894

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L33)

MACH (4) = 1.504 ALPHA (4) = -2.010 RUN = 103.000 RN/L = 7.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2821	.5026
.020		-.3415
.030	-.0183	
.048	-.0331	
.050		-.3600
.085	-.0580	
.150		-.1629
.177	-.0492	
.250		-.2003
.274	.0335	
.402	.1347	
.565	.1145	
.650		.1866
.750		.2720
.760	-.1395	
.808	-.0331	
.850		.1356
.857	-.1913	
.905	-.3034	
.950		-.0609
.953	-.3749	

MACH (4) = 1.504 ALPHA (5) = .224 RUN = 103.000 RN/L = 7.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3288	.5630
.020		-.2384
.030	.0771	
.048	.0710	
.050		-.2366
.085	.0338	
.150		-.0276
.177	.0393	
.250		.0745
.274	.1018	
.402	.1734	
.565	.1481	
.650		.2542
.750		.3158
.760	-.1088	
.808	.0014	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (4) = 1.504 ALPHA (5) = .224

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .1563

.857 -.1679

.905 -.2674

.950 -.0487

.953 -.3636

MACH (4) = 1.504 ALPHA (6) = 2.442 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3616 .6108

.020 -.0865

.030 .1874

.046 .1744

.050 .0204

.085 .1197

.150 .0485

.177 .1171

.250 .1192

.274 .1533

.402 .2024

.565 .1838

.650 .3029

.750 .3391

.760 -.0705

.808 .0459

.850 .1710

.857 -.1363

.905 -.2677

.950 -.0395

.953 -.3534

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (4) = 1.304 ALPHA (7) = 4.689 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000	.3284	.6451
.020		.2111
.030	.2923	
.048	.2641	
.050		.2122
.085	.2079	
.150		.1050
.177	.1940	
.250		.1981
.274	.2063	
.402	.2238	
.565	.2311	
.650		.2893
.750		.3298
.760	-.0643	
.808	.0709	
.850		.1624
.857	-.1286	
.905	-.2647	
.950		-.0446
.953	-.3552	

MACH (4) = 1.504 ALPHA (8) = 6.929 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z Y / B .4360 .7710

X / C

.000	.3326	.6603
.020		.3911
.030	.3681	
.048	.3431	
.050		.3577
.085	.2715	
.150		.1448
.177	.2283	
.250		.2650
.274	.2214	
.402	.2440	
.565	.2569	
.650		.2709
.750		.3207
.760	-.0751	
.808	.0819	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L55)

MACH (4) = 1.504 ALPHA (8) = 8.929

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .1578

.857 -.1307

.905 -.2639

.950 -.0436

.953 -.3536

MACH (4) = 1.504 ALPHA (9) = 9.162 RUN = 103,000 RN/L = 7.678 BETA = .000

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3272 .6736

.020 .5290

.030 .3908

.048 .3603

.050 .4604

.085 .2796

.150 .1908

.177 .2593

.250 .3260

.274 .2272

.402 .2581

.565 .2559

.650 .2351

.750 .2919

.760 -.0978

.808 .0478

.850 .1399

.857 -.1429

.905 -.2696

.950 -.0551

.953 -.3570

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L36) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -4.000 ELV-1 = 0.000
 ELV-2 = 0.000 ELV-3 = 0.000
 ELV-4 = 0.000 BDFLAP = .000
 ELV-18 = 0.000 ELV-C8 = 0.000

MACH (1) = .900 ALPHA (1) = -8.327 RUN = 153.000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0022 -.2215
 .020 .0000 -.9962
 .030 -.3196
 .048 -.2405
 .050 .0000 -.9845
 .085 -.2458
 .150 .0000 -.5786
 .177 -.1883
 .250 .0000 -1.0176
 .274 -.1706
 .402 -.1403
 .565 -.2156
 .650 .0000 -.4518
 .750 .0000 -.1275
 .760 -.3918
 .808 -.3764
 .850 .0000 -.4334
 .857 -.4565
 .905 -.4065
 .950 .0000 -.3584
 .953 -.3256

MACH (1) = .898 ALPHA (2) = -6.124 RUN = 153.000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1793 -.0596
 .020 .0000 -1.0555
 .030 -.2062
 .048 -.1558
 .050 .0000 -.9621
 .085 -.1739
 .150 .0000 -.5481
 .177 -.1283
 .250 .0000 -.1634

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (1) = .898 ALPHA (2) = -6.124

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274 -.1178
.402 -.1009
.565 -.1876
.650 -.4631
.750 -.2170
.760 -.3652
.808 -.3533
.850 -.4685
.857 -.4343
.905 -.3870
.950 -.3963
.953 -.3093

MACH (1) = .896 ALPHA (3) = -4.033 RUN = 153,000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2411 .0611
.020 -.8696
.030 -.0989
.048 -.0758
.050 -.7385
.085 -.1004
.150 -.2347
.177 -.0762
.250 -.1971
.274 -.0740
.402 -.0647
.565 -.1615
.650 -.4696
.750 -.1987
.760 -.3460
.808 -.3387
.850 -.4679
.857 -.4212
.905 -.3794
.950 -.3814
.953 -.3085

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L36)

MACH (1) = .898 ALPHA (4) = -1.891 RUN = 153,000 RN/L = 5,933 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2656	.2355
.020		-.7432
.030	-.0010	
.048	.0009	
.050		-.4231
.085	-.0280	
.150		-.1161
.177	-.0245	
.250		-.1497
.274	-.0307	
.402	-.0330	
.565	-.1404	
.650		-.4741
.750		-.1834
.760	-.3325	
.808	-.3279	
.850		-.4528
.857	-.4108	
.905	-.3724	
.950		-.4619
.953	-.3101	

MACH (1) = .899 ALPHA (5) = .251 RUN = 153,000 RN/L = 5,933 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2587	.3494
.020		-.3377
.030	.0845	
.048	.0725	
.050		-.2079
.085	.0414	
.150		-.0611
.177	.0260	
.250		-.0914
.274	.0132	
.402	.0008	
.565	-.1154	
.850		-.4709
.750		-.1520
.760	-.3168	
.808	-.3176	

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RF7L56)

MACH (1) = .899 ALPHA (5) = .251

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.4362
.857		-.4105
.905		-.3799
.950		-.5375
.953		-.3208

MACH (1) = .899 ALPHA (6) = 2.382 RUN = 153.000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2228	.4056
.020		-.0719
.030	.1545	
.048	.1356	
.050		-.0588
.085	.1015	
.150		-.0135
.177	.0717	
.250		-.0343
.274	.0526	
.402	.0327	
.565	-.0906	
.650		-.4597
.750		-.1291
.760	-.3012	
.808	-.3035	
.850		-.4156
.857	-.4076	
.905	-.3824	
.950		-.5793
.953	-.3225	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (1) = .899 ALPHA (7) = 4.534 RUN = 153,000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1834 .4126

.020 .1134

.030 .1932

.048 .1751

.050 .0676

.065 .1393

.150 .0192

.177 .1030

.250 .0099

.274 .0903

.402 .0564

.565 -.0735

.650 -.4451

.750 -.0938

.760 -.2923

.808 -.2919

.850 -.3838

.857 -.4054

.905 -.3829

.950 -.5882

.953 -.3211

MACH (1) = .899 ALPHA (8) = 6.682 RUN = 153,000 RN/L = 5.933 BETA = -4.232

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1605 .3769

.020 .2372

.030 .2225

.048 .2000

.050 .1700

.085 .1611

.150 .0490

.177 .1230

.250 .0505

.274 .0993

.402 .0724

.565 -.0628

.650 -.4112

.750 -.0631

.760 -.2843

.808 -.2807

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (1) = .899 ALPHA (8) = 6.882

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3740
.857 -.4073
.905 -.3831
.950 -.5871
.953 -.3127

MACH (1) = .899 ALPHA (9) = 8.831 RUN = 153,000 . RN/L = 5.933 BETA = -4.232

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1051 .2942
.020 .3457
.030 .2476
.040 .2257
.050 .2596
.065 .1831
.100 .0836
.177 .1385
.250 .1008
.274 .1122
.402 .0821
.565 -.0548
.650 -.3285
.750 -.0378
.760 -.2747
.808 -.2797
.850 -.3496
.857 -.4226
.905 -.4105
.950 -.5712
.953 -.3298

IA70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (2) = 1.083 ALPHA (1) = -8.590 RUN = 156.000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1410	-.0626
.020		-.8339
.030	-.1848	
.048	-.1599	
.050		-.8277
.085	-.1606	
.150		-.5064
.177	-.1476	
.250		-.8767
.274	-.1298	
.402	-.0909	
.565	-.1715	
.650		-.2442
.750		-.0475
.760	-.5649	
.808	-.4508	
.850		-.2807
.857	-.5689	
.905	-.6144	
.950		-.5128
.953	-.6314	

MACH (2) = 1.101 ALPHA (2) = -6.418 RUN = 156.000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2047	.0993
.020		-.8110
.030	-.1192	
.048	-.0921	
.050		-.8051
.085	-.1059	
.150		-.4221
.177	-.0887	
.250		-.8676
.274	-.0741	
.402	-.0453	
.565	-.1259	
.650		-.1683
.750		-.0407
.760	-.5217	
.808	-.4186	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (2) = 1.101 ALPHA (2) = -6.418

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2434
.857 -.5338
.903 -.5695
.950 -.4768
.953 -.6045

MACH (2) = 1.116 ALPHA (3) = -4.256 RUN = 156,000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2363 .2367
.020 -.7923
.030 -.0171
.048 -.0042
.050 -.7645
.063 -.0303
.150 -.2487
.177 -.0272
.250 -.1886
.274 -.0268
.402 -.0079
.563 -.0829
.650 -.1602
.750 -.0028
.760 -.4825
.809 -.3806
.850 -.2350
.857 -.5061
.903 -.5387
.950 -.4689
.953 -.5803

1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (2) = 1.126 ALPHA (4) = -2.037 RUN = 136,000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2803	.3518
.020		-.6552
.030	.0397	
.048	.0334	
.050		-.5593
.085	.0248	
.150		-.0809
.177	.0201	
.250		-.0749
.274	.0270	
.402	.0384	
.565	-.0363	
.650		-.1554
.750		-.0185
.760	-.4580	
.808	-.3583	
.850		-.2503
.857	-.4933	
.903	-.5256	
.950		-.4671
.953	-.5614	

MACH (2) = 1.124 ALPHA (5) = .145 RUN = 136,000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2715	.4210
.020		-.3691
.030	.1360	
.048	.1186	
.050		-.2361
.085	.0841	
.150		.0065
.177	.0713	
.250		.0946
.274	.0715	
.402	.0785	
.565	-.0013	
.650		-.1702
.750		-.0241
.760	-.4478	
.808	-.3383	

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WING LOWER SURFACE

(RF7L36)

MACH (2) = 1.124 ALPHA (5) = .145

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2609
.857 -.4625
.905 -.5233
.950 -.4776
.953 -.5684

MACH (2) = 1.114 ALPHA (6) = 2.339 RUN = 156,000 RN/L = 6.522 BETA = -4.301

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2802 .4794
.020 -.0373
.030 .1891
.048 .1665
.050 .0290
.065 .1293
.150 .0560
.177 .1111
.250 .1261
.274 .1063
.402 .1069
.565 .0144
.650 -.1739
.750 -.0207
.760 -.4451
.808 -.3384
.850 -.2664
.857 -.4572
.905 -.5180
.950 -.4860
.953 -.5662

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (2) = 1.104 ALPHA (7) = 4.523 RUN = 156,000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP -

ZT/B .4360 .7710

X/C

.000	.2330	.5002
.020		.1790
.030	.2012	
.048	.1808	
.050		.1580
.085	.1480	
.150		.0864
.177	.1298	
.250		.1623
.274	.1213	
.402	.1167	
.565	.0188	
.650		-.1730
.750		-.0111
.760	-.4424	
.808	-.3208	
.850		-.2631
.857	-.4520	
.905	-.5184	
.950		-.4873
.953	-.5594	

MACH (2) = 1.094 ALPHA (8) = 6.705 RUN = 156,000 RN/L = 6.522 BETA = -4.301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZT/B .4360 .7710

X/C

.000	.1281	.5007
.020		.3312
.030	.2113	
.048	.1991	
.050		.2728
.085	.1748	
.150		.1134
.177	.1496	
.250		.2052
.274	.1379	
.402	.1285	
.565	.0259	
.650		-.1601
.750		.0977
.760	-.4355	
.808	-.3185	

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WING LOWER SURFACE

(RF7L56)

MACH (2) = 1.094 ALPHA (8) = 6.705

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2529
.857 -.4598
.905 -.5264
.950 -.4841
.953 -.5618

MACH (2) = 1.087 ALPHA (9) = 8.916 RUN = 156.000 RV/L = 6.522 BETA = -4.301

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0154 .4956
.020 .4533
.030 .2145
.048 .2163
.050 .3775
.085 .2023
.150 .1399
.177 .1751
.250 .2477
.274 .1587
.402 .1415
.565 .0323
.650 -.1448
.750 .0299
.760 -.4100
.808 -.2888
.850 -.2388
.857 -.4339
.905 -.5302
.950 -.4748
.953 -.5932

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L36)

MACH (3) = 1.193 ALPHA (1) = -8.573 RUN = 128.000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING LOWER SURFACE - DEPENDENT VARIABLE CP -

ZY/B .4360 .7710

X/C

.000	.0784	.0459
.020		-.7303
.030	-.2452	
.048	-.1909	
.050		-.7469
.085	-.1840	
.130		-.4229
.177	-.1349	
.250		-.6780
.274	-.1188	
.402	-.0642	
.585	-.1220	
.650		-.1440
.750		.0631
.760	-.4568	
.808	-.3669	
.830		-.1724
.857	-.5179	
.905	-.6046	
.950		-.3800
.953	-.5638	

MACH (3) = 1.209 ALPHA (2) = -6.376 RUN = 128.000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING LOWER SURFACE - DEPENDENT VARIABLE CP -

ZY/B .4360 .7710

X/C

.000	.2030	.1540
.020		-.7840
.030	-.1249	
.048	-.1118	
.050		-.7657
.085	-.1384	
.130		-.3432
.177	-.0898	
.250		-.5131
.274	-.0659	
.402	-.0301	
.585	-.0668	
.650		-.0877
.750		.0587
.780	-.4284	
.858	-.3370	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P5

WING LOWER SURFACE

(RF7L56)

MACH (3) = 1.209 ALPHA (2) = -6.376

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.1384
.057 -.4853
.903 -.5729
.950 -.3363
.953 -.5261

MACH (3) = 1.216 ALPHA (3) = -4.148 RUN = 120.000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2474 .2720
.020 -.7264
.030 -.0536
.040 -.0460
.050 -.7176
.085 -.0816
.150 -.2316
.177 -.0361
.250 -.2451
.274 -.0278
.402 .0048
.565 -.0524
.630 -.0464
.750 .0840
.760 -.3938
.808 -.2991
.850 -.1422
.857 -.4812
.905 -.5578
.950 -.3544
.953 -.5186

IA70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (3) = 1.220 ALPHA (4) = -1.925 RUN = 128,000 RN/L = 7.144 BETA = -4.533

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2917	.3577
.020		-.6056
.030	.0292	
.048	.0192	
.050		-.5674
.085	-.0054	
.130		-.1282
.177	.0133	
.250		-.0882
.274	.0206	
.402	.0443	
.565	-.0091	
.650		-.0416
.750		.0882
.760	-.3667	
.808	-.2806	
.850		-.1450
.857	-.4449	
.905	-.5357	
.950		-.3551
.953	-.4950	

MACH (3) = 1.217 ALPHA (5) = .313 RUN = 128,000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2952	.4338
.020		-.4169
.030	.1116	
.048	.0947	
.050		-.2672
.085	.0593	
.150		-.0487
.177	.0601	
.250		.0141
.274	.0599	
.402	.0611	
.565	.0239	
.650		-.0468
.750		.0870
.760	-.3507	
.808	-.2707	

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WING LOWER SURFACE

(RF7L56)

MACH (3) = 1.217 ALPHA (5) = .313

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 -.1531
.057 -.4309
.903 -.5064
.950 -.3623
.953 -.4650

MACH (3) = 1.211 ALPHA (6) = 2.503 RUN = 120,000 RN/L = 7.144 BETA = -4.333

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2834 .4822
.020 -.1155
.030 .1814
.048 .1577
.050 -.0400
.085 .1168
.150 .0237
.177 .1010
.250 .1100
.274 .1031
.402 .1126
.565 .0468
.650 -.0579
.750 .0863
.760 -.3431
.808 -.2614
.850 -.1577
.857 -.4140
.903 -.4939
.950 -.3644
.953 -.4918

IA70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L36)

MACH (3) = 1.203 ALPHA (7) = 4.704 RUN = 120.000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2321	.5223
.020		.1693
.030	.2121	
.040	.1911	
.050		.1592
.065	.1502	
.150		.0732
.177	.1392	
.250		.1981
.274	.1345	
.402	.1382	
.565	.0645	
.650		-.0541
.750		.1023
.760	-.3320	
.808	-.2475	
.850		-.1502
.857	-.4008	
.905	-.4888	
.950		-.3591
.955	-.4691	

MACH (3) = 1.194 ALPHA (8) = 0.997 RUN = 120.000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1264	.3231
.020		.3244
.030	.2314	
.040	.2184	
.050		.2737
.065	.1933	
.150		.1138
.177	.1666	
.250		.2513
.274	.1573	
.402	.1537	
.565	.0711	
.650		-.0417
.750		.1256
.760	-.3243	
.808	-.2362	

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IA70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (3) = 1.194 ALPHA (8) = 6.897

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 -.1390
.657 -.3697
.905 -.4740
.950 -.3540
.953 -.4653

MACH (3) = 1.163 ALPHA (9) = 9.096 RUN = 128.000 RN/L = 7.144 BETA = -4.333

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0047 .5354
.020 .4601
.030 .2384
.040 .2383
.050 .3931
.065 .2206
.130 .1449
.177 .1900
.250 .2946
.274 .1760
.402 .1639
.565 .0724
.650 -.0318
.750 .1430
.760 -.3165
.806 -.2210
.850 -.1297
.857 -.3712
.905 -.4407
.950 -.3473
.953 -.4936

IA7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (4) = 1.504 ALPHA (1) = -8.817 RUN = 123,000 RN/L = 7.467 BETA = -4.337

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0727	.1433
.020		-.5272
.030	-.2330	
.046	-.1694	
.050		-.5174
.085	-.1823	
.150		-.2698
.177	-.1198	
.250		-.4553
.274	-.0833	
.402	-.0182	
.565	-.0521	
.650		-.1732
.750		.0124
.760	-.2837	
.808	-.2698	
.850		-.0928
.857	-.3417	
.905	-.3974	
.950		-.2043
.953	-.4578	

MACH (4) = 1.504 ALPHA (2) = -8.534 RUN = 123,000 RN/L = 7.467 BETA = -4.337

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1037	.1963
.020		-.5232
.030	-.1631	
.046	-.1281	
.050		-.5394
.085	-.1421	
.150		-.2750
.177	-.0922	
.250		-.3847
.274	-.0600	
.402	-.0096	
.565	-.0461	
.650		-.0775
.750		.0991
.760	-.2892	
.808	-.2470	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (4) = 1.504 ALPHA (2) = -6.534

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0452
.857 -.3203
.905 -.3871
.930 -.1829
.953 -.4494

MACH (4) = 1.504 ALPHA (3) = -4.304 RUN = 123.000 RM/L = 7.467 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1659 .3028
.020 -.4744
.030 -.0717
.046 -.0607
.050 -.4937
.085 -.1042
.150 -.2349
.177 -.0475
.250 -.1981
.274 -.0290
.402 .0242
.565 -.0092
.650 -.0803
.750 .1351
.760 -.2426
.808 -.2192
.850 .0114
.857 -.3054
.905 -.3735
.950 -.1505
.953 -.4374

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (4) = 1.504 ALPHA (4) = -2.024 RUN = 123,000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z_Y/B .4360 .7710

X/C

.000	.2252	.3939
.020		-.3615
.030	.0216	
.040	.0061	
.050		-.3697
.085	-.0210	
.150		-.0953
.177	.0263	
.250		-.1221
.274	.0181	
.402	.0558	
.565	.0221	
.650		.0735
.750		.2160
.760	-.2170	
.808	-.1935	
.850		.0476
.857	-.2907	
.905	-.3575	
.950		-.1322
.953	-.4223	

MACH (4) = 1.504 ALPHA (5) = .199 RUN = 123,000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z_Y/B .4360 .7710

X/C

.000	.2747	.4615
.020		-.2621
.030	.1089	
.040	.0913	
.050		-.2384
.085	.0455	
.150		-.0509
.177	.0599	
.250		-.0183
.274	.0563	
.402	.0935	
.565	.0578	
.650		.1448
.750		.2487
.760	-.1918	
.808	-.1664	

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RF7L56)

MACH (4) = 1.504 ALPHA (5) = .199

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 .0568
.837 -.2783
.905 -.3439
.950 -.1279
.953 -.4074

MACH (4) = 1.504 ALPHA (6) = 2.413 RUN = 123,000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2947 .4950
.020 -.0482
.030 .1850
.048 .1555
.050 .0109
.085 .0983
.150 .0167
.177 .0985
.250 .0766
.274 .0976
.402 .1346
.565 .0971
.650 .1552
.750 .2755
.760 -.1686
.808 -.1428
.850 .0744
.857 -.2531
.905 -.3288
.950 -.1143
.953 -.3911

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L56)

MACH (4) = 1.504 ALPHA (7) = 4.638 RUN = 123,000 RN/L = 7.467 BETA = 357

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2674	.5416
.020		.1616
.030	.2214	
.048	.1979	
.050		.1633
.065	.1537	
.150		.0691
.177	.1383	
.250		.1561
.274	.1461	
.402	.1726	
.565	.1297	
.650		.1867
.750		.3011
.760	-.1518	
.808	-.1238	
.850		.0855
.857	-.2403	
.905	-.3184	
.950		-.1066
.953	-.3786	

MACH (4) = 1.504 ALPHA (8) = 6.891 RUN = 123,000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.1526	.5636
.020		.2995
.030	.2427	
.048	.2327	
.050		.2764
.065	.2116	
.150		.1157
.177	.1872	
.250		.2105
.274	.1794	
.402	.1912	
.565	.1374	
.650		.2104
.750		.3279
.760	-.1510	
.808	-.1206	

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WING LOWER SURFACE

(RF7L56)

MACH (4) = 1.504 ALPHA (8) = 8.891

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE - CP

ZY/B .4360 .7710

X/C

.850		.1016
.857	-.2333	
.905	-.3096	
.950		-.0942
.953	-.3663	

MACH (4) = 1.504 ALPHA (9) = 9.126 RUN = 123,000 RN/L = 7.467 BETA = -4.357

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0766	.3759
.020		.4266
.030	.2596	
.046	.2340	
.050		.3746
.085	.2351	
.150		.1520
.177	.2054	
.250		.2689
.274	.1936	
.402	.1995	
.563	.1418	
.650		.2174
.750		.3381
.760	-.1501	
.808	-.1140	
.830		.1092
.857	-.2280	
.905	-.3045	
.950		-.0868
.953	-.3584	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L37) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -8.000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 BDFLAP = .000
 ELV-1B = 8.000 ELV-CB = 8.000

MACH (1) = .900 ALPHA (1) = -8.299 RUN = 154,000 RN/L = 5,900 BETA = -8.458

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0471 -.3405
 .020 .0000 -.9669
 .030 -.2628
 .040 -.2007
 .050 -.9683
 .085 -.1944
 .150 -.5721
 .177 -.1614
 .250 -.9303
 .274 -.1568
 .402 -.1458
 .565 -.2414
 .650 -.4598
 .750 -.1651
 .760 -.4114
 .808 -.4119
 .850 -.4439
 .857 -.4634
 .905 -.4247
 .950 -.4697
 .953 -.3609

MACH (1) = .898 ALPHA (2) = -8.252 RUN = 154,000 RN/L = 5,900 BETA = -8.458

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0979 -.1913
 .020 .0000 -.9724
 .030 -.1813
 .040 -.1311
 .050 -.9594
 .085 -.1292
 .150 -.5649
 .177 -.1135
 .250 -.2278

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WING LOWER SURFACE

(RF7L57)

MACH (1) = .898 ALPHA (2) = -6.252

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.274	-.1142
.402	-.1124
.565	-.2146
.650	-.4431
.750	-.1971
.760	-.3862
.808	-.3867
.850	-.4585
.857	-.4437
.905	-.4067
.950	-.4966
.953	-.3438

MACH (1) = .897 ALPHA (3) = -4.055 RUN = 154.000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000	.1105	-.0185
.020		-.8840
.030	-.0788	
.048	-.0549	
.050		-.7840
.085	-.0613	
.150		-.2337
.177	-.0616	
.250		-.2214
.274	-.0721	
.402	-.0797	
.565	-.1866	
.650		-.4280
.750		-.1872
.760	-.3612	
.808	-.3610	
.850		-.4605
.857	-.4269	
.905	-.3921	
.950		-.5111
.953	-.3343	

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WING LOWER SURFACE

(RF7L57)

MACH (1) = .898 ALPHA (4) = -1.946 RUN = 154.000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1108	.1254
.020		-.7851
.030	.0103	
.048	.0120	
.050		-.5289
.085	-.0006	
.150		-.1263
.177	-.0187	
.250		-.1899
.274	-.0376	
.402	-.0510	
.565	-.1623	
.650		-.4188
.750		-.1841
.760	-.3453	
.808	-.3462	
.850		-.4635
.857	-.4236	
.905	-.3901	
.950		-.4868
.953	-.3321	

MACH (1) = .898 ALPHA (5) = .268 RUN = 154.000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1008	.2613
.020		-.4438
.030	.0869	
.048	.0620	
.050		-.2278
.085	.0493	
.150		-.0758
.177	.0221	
.250		-.1320
.274	-.0014	
.402	-.0193	
.565	-.1377	
.650		-.4011
.750		-.2033
.760	-.3312	
.808	-.3288	

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WING LOWER SURFACE

(RF7L57)

MACH (1) = .898 ALPHA (5) = .268

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.4606
.857 -.4171
.903 -.3816
.950 -.4375
.953 -.3243

MACH (1) = .898 ALPHA (6) = 2.374 RUN = 154.000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0523 .3441
.020 -.1693
.030 .0999
.048 .1001
.050 -.1198
.085 .0933
.150 -.0332
.177 .0651
.250 -.0792
.274 .0379
.402 .0156
.565 -.1098
.650 -.3968
.750 -.1982
.760 -.3203
.808 -.3129
.850 -.4614
.857 -.4226
.903 -.3866
.950 -.4455
.953 -.3286

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L57)

MACH (1) = .898 ALPHA (7) = 4.521 RUN = 154,000 RN/L = 5.900 BETA = -8.456

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0164	.3610
.020		.0370
.030	.1270	
.046	.1362	
.050		.0126
.065	.1367	
.150		.0046
.177	.1076	
.250		-.0263
.274	.0762	
.402	.0466	
.565	-.0865	
.650		-.4112
.750		-.1663
.760	-.3148	
.808	-.3093	
.850		-.4575
.857	-.4289	
.905	-.3903	
.950		-.5078
.953	-.3304	

MACH (1) = .898 ALPHA (8) = 6.683 RUN = 154,000 RN/L = 5.900 BETA = -8.458

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.1013	.3669
.020		.1274
.030	.1655	
.046	.1625	
.050		.1247
.065	.1612	
.150		.0400
.177	.1417	
.250		.0242
.274	.1034	
.402	.0661	
.565	-.0720	
.650		-.4230
.750		-.1221
.760	-.3044	
.805	-.3021	

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WING LOWER SURFACE

(RF7L57)

MACH (1) = .899 ALPHA (0) = 6.683

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.850	-.4139
.857	-.4275
.905	-.3669
.950	-.5469
.953	-.3302

MACH (1) = .899 ALPHA (9) = 8.776 RUN = 154,000 RN/L = 5,900 BETA = -8.458

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	-.1562	.3413
.020		.2649
.030	.2058	
.048	.2199	
.050		.2046
.085	.2066	
.150		.0712
.177	.1537	
.250		.0724
.274	.1139	
.402	.0761	
.565	-.0664	
.650		-.4067
.750		-.0783
.760	-.2989	
.808	-.2998	
.850		-.3695
.857	-.4305	
.905	-.3968	
.950		-.5516
.953	-.3374	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L57)

MACH (2) = 1.078 ALPHA (1) = -0.668 RUN = 155,000 RN/L = 6.567 BETA = -0.597

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0641	-.2099
.020		-.7698
.030	-.1642	
.048	-.1234	
.050		-.7772
.085	-.1273	
.150		-.5238
.177	-.1232	
.250		-.9705
.274	-.1212	
.402	-.1198	
.565	-.2363	
.650		-.3740
.750		-.1987
.760	-.5642	
.808	-.4286	
.850		-.3918
.857	-.5678	
.905	-.6042	
.950		-.5655
.953	-.6021	

MACH (2) = 1.094 ALPHA (2) = -0.494 RUN = 155,000 RN/L = 6.567 BETA = -0.597

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0968	-.0443
.020		-.6998
.030	-.0814	
.048	-.0545	
.050		-.6996
.085	-.0618	
.150		-.6449
.177	-.0627	
.250		-.6995
.274	-.0688	
.402	-.0702	
.565	-.1889	
.650		-.3348
.750		-.1484
.760	-.5590	
.808	-.3974	

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WING LOWER SURFACE ,

(RF7L37)

MACH (2) = 1.094 ALPHA (2) = -6.494

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3504

.857 -.5320

.905 -.5774

.950 -.5245

.953 -.5926

MACH (2) = 1.106 ALPHA (3) = -4.316 RUN = 155.000 RN/L = 6.567 BETA = -6.597

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0935 .1211

.020 -.6581

.030 -.0100

.048 -.0069

.050 -.6461

.085 -.0172

.150 -.3000

.177 -.0245

.250 -.0959

.274 -.0318

.402 -.0321

.565 -.1444

.650 -.2600

.750 -.1341

.760 -.5401

.808 -.3518

.850 -.3119

.857 -.4825

.905 -.5426

.950 -.5017

.953 -.5779

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L57)

MACH (2) = 1.114 ALPHA (4) = -2.085 RUN = 155,000 RN/L = 6.567 BETA = -8.597

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1080	.2454
.020		-.6394
.030	.0415	
.040	.0359	
.050		-.5093
.065	.0243	
.150		-.0590
.177	.0121	
.250		-.0447
.274	.0038	
.402	.0011	
.565	-.1067	
.650		-.2863
.750		-.1112
.760	-.5243	
.808	-.3550	
.830		-.3021
.857	-.4250	
.905	-.4955	
.950		-.5048
.953	-.5512	

MACH (2) = 1.112 ALPHA (5) = .142 RUN = 155,000 RN/L = 6.567 BETA = -8.597

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0937	.3514
.020		-.3408
.030	.0761	
.040	.0695	
.050		-.1151
.065	.0514	
.150		-.0204
.177	.0468	
.250		.0020
.274	.0363	
.402	.0340	
.565	-.0763	
.650		-.2700
.750		-.1037
.760	-.5132	
.808	-.3664	

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WING LOWER SURFACE

(RF7L57)

MACH (2) = 1.112 ALPHA (5) = .142

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830 -.3218

.857 -.4274

.905 -.4702

.950 -.5323

.953 -.5256

MACH (2) = 1.105 ALPHA (6) = 2.326 RUN = 155.000 RN/L = 6.567 BETA = -8.597

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0318 .4252

.020 -.0407

.030 .0907

.048 .0950

.050 .0269

.085 .0991

.150 .0263

.177 .0884

.250 .0653

.274 .0806

.402 .0737

.565 -.0413

.650 -.2566

.750 -.0994

.760 -.4944

.808 -.3265

.850 -.3375

.857 -.4433

.905 -.4773

.950 -.5372

.953 -.5176

1A70 O1 T12 S1 P2 P0 WING LOWER SURFACE (RF7L57)

MACH (2) = 1.094 ALPHA (7) = 4.530 RUN = 155.000 RN/L = 6.567 BETA = -6.597

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0131	.4566
.020		.1318
.030	.1030	
.048	.1144	
.050		.1368
.065	.1234	
.150		.0562
.177	.1173	
.250		.1110
.274	.1087	
.402	.0960	
.565	-.0266	
.650		-.2356
.750		-.0617
.760	-.4782	
.808	-.2775	
.850		-.3102
.857	-.4402	
.905	-.5103	
.950		-.5263
.953	-.5365	

MACH (2) = 1.086 ALPHA (8) = 6.742 RUN = 155.000 RN/L = 6.567 BETA = -6.597

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0614	.4714
.020		.2855
.030	.1177	
.048	.1350	
.050		.2515
.065	.1494	
.150		.0621
.177	.1435	
.250		.1545
.274	.1312	
.402	.1148	
.565	-.0141	
.650		-.2207
.750		-.0245
.760	-.4345	
.808	-.2398	

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WING LOWER SURFACE

(RF7L57)

MACH (2) = 1.086 ALPHA (8) = 6.742

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.2761
.857 -.4569
.905 -.5292
.950 -.5117
.953 -.5527

MACH (2) = 1.076 ALPHA (9) = 8.941 RUN = 155.000 RN/L = 6.567 BETA = -8.597

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0720 .4668
.020 .3802
.030 .1353
.048 .1522
.050 .3110
.085 .1642
.150 .1048
.177 .1529
.250 .1958
.274 .1360
.402 .1153
.565 -.0180
.650 -.1949
.750 -.0049
.760 -.3982
.808 -.2382
.850 -.2564
.857 -.4722
.905 -.5487
.950 -.4980
.953 -.5697

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(RF7L57)

MACH (3) = 1.189 ALPHA (1) = -8.733 RUN = 148.000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0278	-.1028
.020		-.7070
.030	-.1676	
.048	-.1275	
.050		-.7047
.085	-.0901	
.150		-.4480
.177	-.1104	
.250		-.7631
.274	-.1187	
.402	-.1025	
.565	-.1916	
.650		-.2731
.750		-.1702
.760	-.5137	
.808	-.4378	
.850		-.3064
.857	-.4937	
.905	-.5115	
.950		-.4574
.953	-.5494	

MACH (3) = 1.200 ALPHA (2) = -6.463 RUN = 148.000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1135	.0181
.020		-.6567
.030	-.1238	
.048	-.0869	
.050		-.6510
.085	-.0700	
.150		-.3979
.177	-.0696	
.250		-.6202
.274	-.0808	
.402	-.0691	
.565	-.1607	
.650		-.2405
.750		-.1079
.760	-.4923	
.808	-.4272	

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WING LOWER SURFACE

(RF7L57)

MACH (3) = 1.200 ALPHA (2) = -6.463

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.2671
.057 -.4914
.905 -.4707
.950 -.4395
.953 -.5156

MACH (3) = 1.200 ALPHA (3) = -4.259 RUN = 148.000 RN/L = 7.100 BETA = -6.664

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0071 .1428
.020 -.6385
.030 -.0301
.048 -.0248
.050 -.6170
.085 -.0320
.150 -.3109
.177 -.0345
.250 -.1218
.274 -.0402
.402 -.0324
.565 -.1221
.650 -.2173
.750 -.0672
.760 -.4721
.808 -.4104
.850 -.2317
.857 -.4882
.905 -.4365
.950 -.4161
.953 -.4804

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L57)

MACH (3) = 1.213 ALPHA (4) = -2.042 RUN = 148.000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.1064	.2399
.020		-.5862
.030	.0319	
.048	.0247	
.050		-.5310
.085	.0120	
.150		-.1056
.177	.0020	
.250		-.0730
.274	-.0003	
.402	.0033	
.565	-.0892	
.650		-.1995
.750		-.0623
.760	-.4512	
.808	-.3824	
.850		-.2219
.857	-.4738	
.905	-.4105	
.950		-.4192
.953	-.4569	

MACH (3) = 1.209 ALPHA (5) = .208 RUN = 148.000 RN/L = 7.100 BETA = -8.664

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.0998	.3492
.020		-.4190
.030	.0714	
.048	.0638	
.050		-.1985
.085	.0552	
.150		-.0380
.177	.0409	
.250		-.0148
.274	.0372	
.402	.0396	
.565	-.0522	
.650		-.1886
.750		-.0494
.760	-.4360	
.808	-.3599	

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WING LOWER SURFACE

(RF7L57)

MACH (3) = 1.209 ALPHA (5) = .208

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2393
.857 -.4834
.905 -.4201
.950 -.4393
.953 -.4275

MACH (3) = 1.204 ALPHA (6) = 2.431 RUN = 148,000 RN/L = 7.100 BETA = -8.664

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0528 .4140
.020 -.0991
.030 .0949
.048 .0955
.050 .0075
.085 .0968
.150 .0069
.177 .0863
.250 .0687
.274 .0818
.402 .0819
.585 -.0136
.650 -.1741
.750 -.0454
.760 -.4171
.808 -.3275
.850 -.2487
.857 -.4546
.905 -.4375
.950 -.4325
.953 -.4352

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WING LOWER SURFACE

(RFTL57)

MACH (3) = 1.197 ALPHA (7) = 4.827 RUN = 148,000 RN/L = 7.100 BETA = -8.864

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0164	.4510
.020		.1163
.030	.1205	
.040	.1299	
.050		.1414
.065	.1389	
.150		.0547
.177	.1295	
.250		.1551
.274	.1213	
.402	.1178	
.565	.0190	
.650		-.1398
.750		.0094
.760	-.3948	
.808	-.2835	
.850		-.2072
.857	-.4272	
.905	-.4435	
.930		-.4162
.933	-.4502	

MACH (3) = 1.168 ALPHA (8) = 6.882 RUN = 148,000 RN/L = 7.100 BETA = -8.864

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0218	.4716
.020		.3008
.030	.1479	
.040	.1658	
.050		.2633
.065	.1800	
.150		.0988
.177	.1716	
.250		.2111
.274	.1574	
.402	.1486	
.565	.0381	
.650		-.1174
.750		.0407
.760	-.3902	
.808	-.2593	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L57)

MACH (3) = 1.100 ALPHA (8) = 6.882

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1790

.857 -.4031

.905 -.4323

.950 -.4004

.953 -.4736

MACH (3) = 1.175 ALPHA (9) = 9.060 RUN = 146.000 RN/L = 7.100 BETA = -6.664

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0545 .4822

.020 .4084

.030 .1511

.048 .1708

.050 .3405

.085 .1868

.130 .1099

.177 .1803

.250 .2398

.274 .1675

.402 .1555

.565 .0372

.650 -.0937

.750 .0663

.760 -.3930

.808 -.2461

.850 -.1651

.857 -.3966

.905 -.4530

.950 -.3894

.953 -.5129

1A70 01 T12 S1 P2-P8

WING LOWER SURFACE

(RF7L57)

MACH (4) = 1.504 ALPHA (1) = -8.804 RUN = 104.000 RN/L = 7.889 BETA = -8.712

SECTION (1) WING LOWER SURFACE / DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0407	.0136
.020		-.4980
.030	-.1544	
.048	-.1308	
.050		-.4978
.085	-.1409	
.150		-.2802
.177	-.1041	
.250		-.4928
.274	-.0988	
.402	-.0669	
.565	-.1142	
.650		-.1652
.750		-.1146
.760	-.3117	
.808	-.2769	
.850		-.1828
.857	-.3643	
.905	-.4313	
.950		-.2948
.953	-.4660	

MACH (4) = 1.504 ALPHA (2) = -6.599 RUN = 104.000 RN/L = 7.689 BETA = -8.712

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0516	.0553
.020		-.4558
.030	-.1493	
.048	-.1215	
.050		-.4441
.085	-.1287	
.150		-.2524
.177	-.0892	
.250		-.4442
.274	-.0856	
.402	-.0546	
.565	-.1033	
.650		-.1523
.750		-.1078
.760	-.3066	
.808	-.2667	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE

(RF7L57)

MACH (4) = 1.504 ALPHA (2) = -8.599

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1784

.857 -.3565

.905 -.4249

.950 -.2913

.953 -.4543

MACH (4) = 1.504 ALPHA (3) = -4.393 RUN = 104.000 RN/L = 7.689 BETA = -8.712

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0164 .1851

.020 -.4412

.030 -.0620

.040 -.0584

.050 -.4327

.065 -.0534

.150 -.1930

.177 -.0470

.250 -.2368

.274 -.0452

.402 -.0260

.565 -.0794

.650 -.1350

.750 -.0996

.760 -.3038

.808 -.2587

.850 -.1691

.857 -.3481

.905 -.4190

.950 -.2867

.953 -.4565

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L57)

MACH (4) = 1.504 ALPHA (4) = -2.119 RUN = 104,000 RN/L = 7.689 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.0365	.2798
.020		-.4121
.030	.0069	
.048	.0017	
.050		-.3843
.085	-.0031	
.150		-.0909
.177	-.0101	
.230		-.0584
.274	-.0092	
.402	.0085	
.565	-.0450	
.650		-.1254
.750		-.0819
.760	-.2959	
.808	-.2402	
.850		-.1536
.857	-.3336	
.905	-.4084	
.950		-.2729
.953	-.4516	

MACH (4) = 1.504 ALPHA (5) = .140 RUN = 104,000 RN/L = 7.689 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.0727	.3637
.020		-.3048
.030	.0444	
.048	.0413	
.050		-.2324
.085	.0399	
.150		-.0214
.177	.0332	
.250		.0148
.274	.0341	
.402	.0502	
.565	-.0034	
.650		-.0899
.750		-.0237
.760	-.2799	
.808	-.2129	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2-P8

WING LOWER SURFACE

(RF7L57)

MACH (4) = 1.504 ALPHA (5) = .140

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1096
.857 -.5135
.905 -.3911
.950 -.2429
.953 -.4376

MACH (4) = 1.504 ALPHA (6) = 2.356 RUN = 104,000 RIV/L = 7.699 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0566 .4243
.020 -.0994
.030 .0775
.048 .0797
.050 -.0219
.085 .0850
.150 .0258
.177 .0825
.250 .0763
.274 .0835
.402 .0988
.505 .0360
.650 -.0328
.750 .0246
.760 -.2609
.808 -.1623
.850 -.0850
.857 -.2897
.905 -.5717
.950 -.2276
.953 -.4232

IA70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L57)

MACH (4) = 1.504 ALPHA (7) = 4.613 RUN = 104,000 RN/L = 7.689 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP - -

ZY/B .4360 .7710

X/C

.000	.0204	.4616
.020		.0836
.030	.1088	
.048	.1200	
.050		.1160
.085	.1322	
.130		.0623
.177	.1338	
.250		.1304
.274	.1325	
.402	.1407	
.565	.0618	
.650		.0257
.750		.0817
.760	-.2480	
.808	-.1590	
.850		-.0375
.857	-.2711	
.905	-.3547	
.950		-.1908
.953	-.4079	

MACH (4) = 1.504 ALPHA (8) = 6.829 RUN = 104,000 RN/L = 7.689 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	-.0143	.4717
.020		.2401
.030	.1348	
.048	.1502	
.050		.2341
.085	.1636	
.130		.0985
.177	.1680	
.250		.1758
.274	.1682	
.402	.1719	
.565	.0827	
.650		.0843
.750		.1342
.760	-.2357	
.808	-.1323	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L57)

MACH (4) = 1.504 ALPHA (8) = 6.629

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .0059
.857 -.2494
.905 -.3336
.950 -.1568
.953 -.3890

MACH (4) = 1.504 ALPHA (9) = 9.082 RUN = 104.000 RN/L = 7.689 BETA = -8.712

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0340 .5020
.020 .3411
.030 .1413
.048 .1558
.050 .3100
.085 .1673
.150 .1241
.177 .1749
.250 .2103
.274 .1761
.402 .1785
.565 .0818
.650 .1875
.750 .1862
.760 -.2308
.803 -.1021
.850 .0450
.857 -.2261
.905 -.3159
.950 -.1312
.953 -.3667

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56) (25 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 8.000 ELV-1 = 8.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 BDFLAP = .000
 ELV-1B = 12.000 ELV-0B = 10.000

MACH (1) = .897 ALPHA (1) = -8.269 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2761 .2026
 .020 -1.0542
 .030 -.3390
 .048 -.2441
 .050 -1.0233
 .085 -.3459
 .150 -.5229
 .177 -.1989
 .250 -.4405
 .274 -.1143
 .402 .0540
 .565 .0699
 .650 -.1370
 .750 .0385
 .760 -.4718
 .808 -.1376
 .850 -.2799
 .857 -.2658
 .905 -.3893
 .950 -.2034
 .953 -.3967

MACH (1) = .897 ALPHA (2) = -6.111 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3762 .3334
 .020 -.5515
 .030 -.1687
 .048 -.1278
 .050 -.6843
 .085 -.1944
 .150 -.2278
 .177 -.1064
 .250 -.1909

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RF7L58)

MACH (1) = .897 ALPHA (2) = -6.111

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.0409	
.402	.0918	
.565	.0876	
.650		-.1402
.750		.0779
.760	-.3548	
.808	-.0616	
.850		-.3103
.857	-.2544	
.905	-.3990	
.950		-.1936
.953	-.4314	

MACH (1) = .898 ALPHA (3) = -3.971 RUN = 93.000 RN/L = 6.011 BETA = 6.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4478	.4607
.020		-.8019
.030	-.0152	
.048	-.0100	
.050		-.4619
.085	-.0765	
.150		-.0835
.177	-.0276	
.250		-.0836
.274	.0210	
.402	.1264	
.565	.1017	
.650		-.1203
.750		.0912
.760	-.2863	
.808	-.0245	
.850		-.2865
.857	-.2427	
.905	-.3955	
.950		-.1725
.953	-.4490	

1A70 Q1 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L50)

MACH (1) = .897 ALPHA (4) = -1.794 RUN = 93,000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000 .4910 .5608

.020 .3577

.030 .1227

.040 .1023

.050 -.1854

.065 .0297

.100 -.0246

.177 .0449

.230 -.0017

.274 .0784

.402 .1583

.565 .1116

.650 -.0736

.750 .1290

.760 -.1862

.805 .0147

.850 -.2669

.897 -.2423

.905 -.4069

.950 -.2712

.953 -.4758

MACH (1) = .898 ALPHA (5) = .363 RUN = 93,000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000 .5051 .6161

.020 -.0348

.030 .2361

.040 .1994

.050 -.0008

.065 .1209

.100 .0251

.177 .1116

.230 .0544

.274 .1276

.402 .1878

.565 .1239

.650 -.0492

.750 .1322

.760 -.1361

.805 .0380

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L50)

MACH (1) = .090 ALPHA (5) = .363

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050	-.2501
.057	-.2393
.065	-.4085
.050	-.4280
.053	-.4213

MACH (1) = .900 ALPHA (6) = 2.516 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4964	.6272
.020		.1980
.030	.3313	
.040	.2846	
.050		.1359
.065	.2023	
.150		.0683
.177	.1727	
.250		.1082
.274	.1744	
.402	.2165	
.563	.1412	
.650		-.0187
.750		.1793
.760	-.0882	
.808	.0612	
.850		-.2306
.857	-.2373	
.905	-.4100	
.950		-.4493
.953	-.4249	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (1) = .899 ALPHA (7) = 4.683 RUN = 93.000 RN/L = 8.011 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4655	.5963
.020		.3700
.030	.4071	
.048	.3544	
.050		.2845
.085	.2677	
.150		.1055
.177	.2198	
.250		.1547
.274	.2084	
.402	.2340	
.565	.1459	
.650		.0162
.750		.1992
.760	-.0277	
.808	.0768	
.850		-.2135
.857	-.2522	
.905	-.4250	
.950		-.4540
.953	-.5310	

MACH (1) = .899 ALPHA (8) = 6.819 RUN = 93.000 RN/L = 8.011 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4266	.5455
.020		.4942
.030	.4665	
.048	.4102	
.050		.3891
.085	.3196	
.150		.1410
.177	.2572	
.250		.2021
.274	.2381	
.402	.2450	
.565	.1472	
.650		.0491
.750		.2201
.760	.0076	
.808	.0747	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12'S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (1) = .899 ALPHA (8) = 6.819

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 -.1905
.857 -.2703
.905 -.4345
.950 -.4318
.953 -.5780

MACH (1) = .900 ALPHA (9) = 8.977 RUN = 93.000 RN/L = 6.011 BETA = 8.466

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4210 .4985
.020 .5842
.030 .5047
.048 .4430
.050 .4708
.085 .3437
.150 .1709
.177 .2732
.250 .2444
.274 .2471
.402 .2454
.565 .1422
.650 .0777
.750 .2394
.760 .0090
.808 .0564
.850 -.1631
.857 -.2908
.905 -.4409
.950 -.4021
.953 -.5814

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L58)

MACH (2) = 1.078 ALPHA (1) = -6.678 RUN = 86.000 RN/L = 6.756 BETA = 6.644

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3425	.5785
.020		-.9335
.030	-.2369	
.048	-.1697	
.050		-.9704
.065	-.1657	
.150		-.5069
.177	-.1733	
.250		-.7636
.274	-.1099	
.402	-.1924	
.565	.2272	
.650		.0575
.750		.2908
.760	-.4309	
.808	-.1498	
.850		-.0906
.857	-.4431	
.905	-.5772	
.950		-.3581
.953	-.7001	

MACH (2) = 1.094 ALPHA (2) = -6.464 RUN = 86.000 RN/L = 6.756 BETA = 6.644

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4342	.4747
.020		-.8363
.030	-.0630	
.048	-.0122	
.050		-.6581
.065	-.0878	
.150		-.4218
.177	-.1032	
.250		-.1816
.274	-.0421	
.402	.1162	
.565	.2791	
.650		.0737
.750		.2960
.760	-.3963	
.808	-.0994	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (2) = 1.094 ALPHA (2) = -6.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0591
.857 -.4025
.905 -.5601
.950 -.3339
.953 -.6720

MACH (2) = 1.105 ALPHA (3) = -4.274 RUN = 86.000 RN/L = 6.756 BETA = 6.644

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5192 .5598
.020 -.7145
.030 .0530
.048 .0753
.050 -.7233
.085 -.0177
.150 -.2135
.177 -.0373
.250 .1562
.274 .0068
.402 .2407
.565 .3213
.650 .0597
.750 .3167
.760 -.3652
.808 -.0581
.850 -.0273
.857 -.3695
.905 -.5420
.950 -.3087
.953 -.6626

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (2) = 1.112 ALPHA (4) = -2.068 RUN = 86.000 RN/L = 6.756 BETA = 6.644

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3619 .6406
 .020 .5303
 .030 .1795
 .048 .1668
 .050 -.4194
 .083 .0400
 .150 .0638
 .177 .0552
 .250 .1900
 .274 .1450
 .402 .3106
 .563 .3459
 .650 .0226
 .750 .3363
 .760 -.3461
 .808 -.0384
 .830 -.0018
 .857 -.3503
 .905 -.5274
 .950 -.2912
 .953 -.6574

MACH (2) = 1.110 ALPHA (5) = .150 RUN = 86.000 RN/L = 6.756 BETA = 6.644

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5786 .7286
 .020 .0067
 .030 .2920
 .048 .2383
 .050 .1062
 .083 .1587
 .150 .1169
 .177 .1672
 .250 .2464
 .274 .2241
 .402 .3482
 .563 .3575
 .650 .0009
 .750 .3483
 .760 -.3428
 .808 -.0283

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL56)

MACH (2) = 1.110 ALPHA (5) = .150

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0000
.057 -.3466
.905 -.5268
.950 -.2925
.953 -.6394

MACH (2) = 1.105 ALPHA (6) = 2.335 RUN = 86.000 RN/L = 6.756 BETA = 6.644

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5716 .7596
.020 .3044
.030 .3925
.048 .3487
.050 .2912
.085 .2629
.150 .1603
.177 .2525
.250 .3004
.274 .2889
.402 .3793
.565 .3710
.650 .0042
.750 .3590
.760 -.3414
.808 -.0186
.850 -.0008
.857 -.3437
.905 -.5285
.950 -.2949
.953 -.6650

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (2) = 1.096 ALPHA (7) = 4.546 RUN = 86.000 RN/L = 6.756 BETA = 6.644

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5366	.7299
.020		.4960
.030	.4694	
.046	.4222	
.050		.4304
.085	.3440	
.150		.1920
.177	.3197	
.250		.3436
.274	.3380	
.402	.4056	
.565	.3803	
.650		.0141
.750		.3664
.760	-.5437	
.808	-.0120	
.850		-.0031
.857	-.3490	
.905	-.5337	
.950		-.2973
.953	-.6518	

MACH (2) = 1.087 ALPHA (8) = 6.736 RUN = 86.000 RN/L = 6.756 BETA = 6.644

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4693	.7032
.020		.6089
.030	.5369	
.046	.4901	
.050		.5212
.085	.4069	
.150		.2115
.177	.3537	
.250		.3715
.274	.3544	
.402	.4026	
.565	.3659	
.650		.0199
.750		.3691
.760	-.3489	
.808	-.0111	

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TABULATED PRESSURE DATA - 1A70.

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1A70 O1 T12 S1 P2 P0 - WING LOWER SURFACE

(RF7L50)

MACH (2) = 1.087 ALPHA (0) = 6.736

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830	-.0017
.857	-.3380
.905	-.5103
.950	-.2633
.953	-.5992

MACH (2) = 1.078 ALPHA (9) = 8.931 RUN = 66,000 RN/L = 6.756 BETA = 8.644

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4708	.6833
.020		.6966
.030	.5699	
.040	.5333	
.050		.5961
.085	.4369	
.150		.2286
.177	.3669	
.250		.3980
.274	.3573	
.402	.3878	
.565	.3412	
.650		.0379
.750		.3721
.760	-.3445	
.808	.0074	
.850		-.0005
.857	-.3212	
.905	-.4433	
.950		-.2152
.953	-.5132	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L36)

MACH (3) = 1.188 ALPHA (1) = -8.604 RUN = 85.000 RN/L = 7.156 BETA = 8.656

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

X/Y/B .4360 .7710

X/C

.000	.3011	.4316
.020		-.7559
.030	-.2440	
.046	-.2104	
.050		-.7937
.065	-.2366	
.150		-.4209
.177	-.0346	
.250		-.6541
.274	-.0330	
.402	-.1266	
.565	.2763	
.650		.0803
.750		.3865
.760	-.2799	
.806	-.0209	
.850		.0560
.857	-.3004	
.905	-.4520	
.950		-.2035
.953	-.5782	

MACH (3) = 1.198 ALPHA (2) = -6.326 RUN = 85.000 RN/L = 7.156 BETA = 8.656

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

X/Y/B .4360 .7710

X/C

.000	.3753	.5173
.020		-.6857
.030	-.1651	
.046	-.1497	
.050		-.7098
.065	-.1920	
.150		-.3594
.177	.0283	
.250		-.4074
.274	.0206	
.402	-.0705	
.565	.3329	
.650		.1563
.750		.4052
.760	-.2597	
.806	.0162	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (3) = 1.198 ALPHA (2) = -6.326

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		.0724
.857	-.2693	
.903	-.4243	
.950		-.1939
.953	-.5547	

MACH (3) = 1.206 ALPHA (3) = -4.114 RUN = 65,000 RN/L = 7.156 BETA = 6.656

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4265	.6058
.020		-.5768
.030	-.0898	
.048	-.0976	
.050		-.5926
.085	-.0624	
.150		-.2674
.177	.0835	
.250		-.1251
.274	.0539	
.402	.0906	
.565	.3723	
.650		.1712
.750		.3999
.760	-.2420	
.808	.0477	
.850		.0951
.857	-.2441	
.903	-.4045	
.950		-.1783
.953	-.5447	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L58)

MACH (3) = 1.210 ALPHA (4) = -1.905 RUN = 85,000 RN/L = 7,156 BETA = 8.658

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4657	.6714
.020		-.4543
.030	.0186	
.048	.0112	
.050		-.4327
.085	.0912	
.150		-.0676
.177	.0721	
.250		.1669
.274	.0846	
.402	.3008	
.565	.3992	
.650		.1284
.750		.4175
.760	-.2271	
.808	.0743	
.850		.1064
.857	-.2244	
.905	-.3902	
.950		-.1713
.953	-.5335	

MACH (3) = 1.208 ALPHA (5) = .332 RUN = 85,000 RN/L = 7,156 BETA = 8.658

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5088	.7154
.020		-.2290
.030	.2537	
.048	.2614	
.050		-.1195
.085	.1502	
.150		.1371
.177	.1781	
.250		.2883
.274	.1451	
.402	.3719	
.565	.4203	
.650		.0929
.750		.4251
.760	-.2188	
.808	.0895	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL50)

MACH (3) = 1.206 ALPHA (5) = .332

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 .1076
.057 -.2163
.905 -.3671
.950 -.1728
.953 -.5334

MACH (3) = 1.202 ALPHA (6) = 2.463 RUN = 85,000 RN/L = 7.156 BETA = 8.658

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5556 .7747
.020 .2331
.030 .3495
.048 .3202
.050 .2571
.085 .1986
.150 .1613
.177 .2076
.250 .3424
.274 .2686
.402 .4116
.565 .4402
.650 .0822
.750 .4351
.760 -.2148
.808 .1012
.850 .1122
.857 -.2115
.905 -.3652
.950 -.1704
.953 -.5325

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L58)

MACH (3) = 1.186 ALPHA (7) = 4.682 RUN = 85.000 RN/L = 7.156 BETA = 8.658

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000	.5321	.7874
.020		.4836
.030	.4377	
.048	.4043	
.050		.4383
.085	.3330	
.150		.2061
.177	.3114	
.250		.4001
.274	.3465	
.402	.4468	
.565	.4544	
.650		.0877
.750		.4549
.760	-.2086	
.808	.1083	
.850		.1198
.857	-.2077	
.905	-.3807	
.950		-.1848
.953	-.5263	

MACH (3) = 1.186 ALPHA (8) = 6.892 RUN = 85.000 RN/L = 7.156 BETA = 8.658

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000	.5350	.7696
.020		.6213
.030	.5333	
.048	.4858	
.050		.5458
.085	.4007	
.150		.2274
.177	.3597	
.250		.4284
.274	.3752	
.402	.4476	
.565	.4433	
.650		.0823
.750		.4557
.760	-.2181	
.808	.1134	

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WING LOWER SURFACE

(RF7L30)

MACH (3) = 1.186 ALPHA (8) = 6.892

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 .1162
.057 -.2013
.905 -.3743
.950 -.1595
.953 -.5068

MACH (3) = 1.173 ALPHA (9) = 9.100 RUN = 85,000 RN/L = 7.156 BETA = 8.656

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .5565 .7393
.020 .7114
.030 .5858
.048 .5258
.050 .6173
.085 .4188
.150 .2392
.177 .3583
.250 .4433
.274 .3636
.402 .4111
.565 .3947
.650 .0779
.750 .4523
.760 -.2279
.808 .1128
.850 .1131
.857 -.1886
.905 -.3125
.950 -.1229
.953 -.4238

1A70 01 T12 S1 P2 P0

WING LOWER SURFACE

(RF7L56)

MACH (4) = 1.504 ALPHA (1) = -8.733 RUN = 118,000 RN/L = 7.469 BETA = 8.709

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3675	.6096
.020		-.4109
.030	-.0586	
.048	-.0663	
.050		-.4451
.065	-.1273	
.150		-.2167
.177	-.1103	
.250		-.3729
.274	-.1026	
.402	.0520	
.565	.2130	
.650		-.0580
.750		.1802
.760	.0568	
.808	.2522	
.850		.4313
.857	.0223	
.905	-.1520	
.950		.1204
.953	-.2739	

MACH (4) = 1.504 ALPHA (2) = -8.476 RUN = 118,000 RN/L 7.469 BETA = 8.709

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4123	.6501
.020		-.3705
.030	-.0151	
.048	-.0267	
.050		-.3959
.065	-.0963	
.150		-.1885
.177	-.0967	
.250		-.3183
.274	-.0978	
.402	.0457	
.565	.2395	
.650		.0531
.750		.2828
.760	.0670	
.808	.2708	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L50)

MACH (4) = 1.504 ALPHA (2) = -6.476

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 .3753
.057 .0346
.905 -.1429
.950 .1275
.953 -.2662

MACH (4) = 1.504 ALPHA (3) = -4.216 RUN = 116.000 RN/L = 7.489 BETA = 8.709

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4724 .6984
.020 -.3045
.030 .0415
.048 .0127
.050 -.3292
.085 -.0541
.150 -.1551
.177 -.0804
.250 -.2557
.274 -.0767
.402 .0601
.565 .2982
.650 .1874
.750 .3686
.760 .0748
.808 .2935
.850 .3631
.857 .0440
.905 -.1339
.950 .1275
.953 -.2580

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L56)

MACH (4) = 1.504 ALPHA (4) = -1.950 RUN = 118.000 RN/L = 7.489 BETA = 8.709

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4912	.7378
.020		-.2330
.030	.0652	
.048	.0507	
.050		-.2561
.085	.0817	
.150		-.1136
.177	-.0542	
.250		-.1448
.274	-.0382	
.402	.0823	
.565	.4025	
.650		.3146
.750		.5121
.760	.0902	
.808	.3145	
.850		.3761
.857	.0589	
.905	-.1183	
.950		.1224
.953	-.2448	

MACH (4) = 1.504 ALPHA (5) = .277 RUN = 118.000 RN/L = 7.489 BETA = 8.709

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5066	.7756
.020		-.1451
.030	.1401	
.048	.1303	
.050		-.1442
.085	.0984	
.150		-.0359
.177	.0531	
.250		-.0317
.274	.0594	
.402	.1419	
.565	.5118	
.650		.3624
.750		.5893
.760	.1019	
.808	.3397	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL58)

MACH (4) = 1.504 ALPHA (5) = .277

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .3588
.857 .0750
.905 -.1045
.950 .1087
.953 -.2342

MACH (4) = 1.504 ALPHA (6) = 2.533 RUN = 118,000 RN/L = 7.489 BETA = 8.709

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .5278 .8082
.020 -.0111
.030 .2614
.046 .2295
.050 .0129
.085 .1246
.130 .0439
.177 .1165
.250 .0854
.274 .1113
.402 .2108
.565 .5759
.650 .3502
.750 .6345
.760 .1196
.808 .3830
.850 .3815
.857 .0989
.905 -.0869
.950 .1059
.953 -.2215

1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RP7L58)

MACH (4) = 1.004 ALPHA (7) = 4.776 RUN = 118,000 RIVL = 7.489 BETA = 8.709

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5583	.8467
.020		.2014
.030	.3282	
.048	.2789	
.050		.2156
.085	.1784	
.150		.0902
.177	.1642	
.250		.3218
.274	.1643	
.402	.3180	
.565	.6159	
.650		.3316
.750		.6462
.760	.1384	
.808	.4155	
.850		.3673
.857	.1164	
.905	-.0681	
.950		.1139
.953	-.2041	

MACH (4) = 1.504 ALPHA (8) = 7.012 RUN = 118,000 RIVL = 7.489 BETA = 8.709

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.5574	.8779
.020		.4849
.030	.3817	
.048	.3324	
.050		.4427
.085	.2324	
.150		.2340
.177	.2213	
.250		.5564
.274	.4430	
.402	.4652	
.565	.6040	
.650		.3144
.750		.6373
.760	.1301	
.808	.4083	

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WING LOWER SURFACE

(RF7L58)

MACH (4) = 1.504 ALPHA (8) = 7.012

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	.3829
.857	.1142
.905	-.0700
.950	.1163
.953	-.2042

MACH (4) = 1.504 ALPHA (9) = 9.240 RUN = 118.000 RM/L = 7.489 BETA = 8.709

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.6431	.8775
.020		.6906
.030	.4469	
.048	.4108	
.050		.6119
.065	.3357	
.150		.3128
.177	.4110	
.250		.5501
.274	.3106	
.402	.5031	
.563	.5275	
.650		.2906
.750		.6124
.760	.1060	
.808	.3483	
.850		.3561
.857	.1115	
.905	-.0530	
.950		.1382
.953	-.1584	

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WING LOWER SURFACE

(RF7L59) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.8800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 4.000 ELV-1 = 8.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 SDFLAP = .000
 ELV-1B = 12.000 ELV-0B = 10.000

MACH (1) = .900 ALPHA (1) = -8.187 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2103 .1050
 .020 -1.0792
 .030 -.3766
 .048 -.2903
 .050 -1.0569
 .085 -.3624
 .150 -.5525
 .177 -.2376
 .250 -.7812
 .274 -.1756
 .402 -.0025
 .565 .0288
 .630 -.1833
 .750 -.0192
 .760 -.5914
 .808 -.1901
 .850 -.4047
 .857 -.2936
 .905 -.3929
 .950 -.4266
 .953 -.5164

MACH (1) = .898 ALPHA (2) = -6.051 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3172 .2391
 .020 -1.1250
 .030 -.2217
 .048 -.1735
 .050 -1.0924
 .065 -.2406
 .150 -.2770
 .177 -.1509
 .250 -.1053

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WING LOWER SURFACE

(RF7L59)

MACH (1) = .898 ALPHA (2) = -6.051

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0978
.402	.0431
.565	.0520
.650	-.1753
.750	-.0277
.760	-.4545
.808	-.1095
.850	-.3808
.857	-.2664
.905	-.4028
.950	-.3442
.953	-.5307

MACH (1) = .898 ALPHA (3) = -3.899 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3951	.3702
.020	-.8374	
.030	-.0724	
.048	-.0612	
.050	-.5807	
.085	-.1219	
.150	-.1158	
.177	-.0721	
.250	-.0948	
.274	-.0304	
.402	.0783	
.565	.0677	
.650	-.1954	
.750	.0194	
.760	-.3447	
.808	-.0358	
.850	-.3472	
.857	-.2539	
.905	-.4067	
.950	-.3824	
.953	-.5542	

1A70 01 T12-S1 P2 P6

WING LOWER SURFACE

(RFTL59)

MACH (1) = .897 ALPHA (4) = -1.766 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4451	.4845
.020		-.4872
.030	.0606	
.048	.0463	
.050		-.2310
.085	-.0197	
.150		-.0422
.177	-.0006	
.230		-.0361
.274	.0257	
.402	.1092	
.565	.0795	
.650		-.1669
.750		.0610
.760	-.2854	
.808	.0085	
.850		-.3125
.857	-.2421	
.905	-.4076	
.950		-.5018
.953	-.5786	

MACH (1) = .898 ALPHA (5) = .437 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4677	.5586
.020		-.1195
.030	.1789	
.048	.1463	
.050		-.0682
.085	.0736	
.150		.0116
.177	.0682	
.250		.0229
.274	.0790	
.402	.1404	
.565	.0929	
.650		-.1095
.750		.0918
.760	-.2052	
.808	.0348	

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WING LOWER SURFACE

(RFTL59)

MACH (1) = .898 ALPHA (5) = .437

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2993
.857 -.2349
.905 -.4098
.950 -.5589
.953 -.5875

MACH (1) = .898 ALPHA (6) = 2.555 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4629 .5790
.020 .1238
.030 .2760
.048 .2341
.050 .0995
.065 .1568
.150 .0560
.177 .1281
.250 .0764
.274 .1266
.402 .1680
.565 .1026
.650 -.0656
.750 .1187
.760 -.1448
.808 .0749
.850 -.2313
.857 -.2328
.905 -.4160
.950 -.5563
.953 -.5892

1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L59)

MACH (1) = .899 ALPHA (7) = 4.656 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.4322	.5553
.020		.3035
.030	.3566	
.048	.3063	
.050		.2306
.065	.2247	
.150		.0920
.177	.1775	
.250		.1199
.274	.1640	
.402	.1854	
.563	.1009	
.650		-.0131
.750		.1416
.760	-.0366	
.808	.1029	
.850		-.2660
.857	-.2546	
.903	-.4365	
.950		-.5491
.953	-.5984	

MACH (1) = .900 ALPHA (8) = 6.790 RUN = 161.000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.4033	.5141
.020		.4357
.030	.4103	
.048	.3566	
.050		.3384
.065	.2716	
.150		.1292
.177	.2156	
.250		.1685
.274	.1945	
.402	.2032	
.563	.1083	
.650		.0166
.750		.1575
.760	-.0174	
.808	.1503	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RFTL59)

MACH (1) = .900 ALPHA (0) = 6.790

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.2454
.057 -.2735
.055 -.4433
.050 -.5326
.053 -.5931

MACH (1) = .899 ALPHA (9) = 8.921 RUN = 161,000 RN/L = 5.933 BETA = 4.231

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3742 .4858
.020 .5320
.030 .4417
.048 .3861
.050 .4225
.085 .2982
.150 .1565
.177 .2317
.250 .2100
.274 .2029
.402 .1979
.565 .0938
.650 .0434
.750 .1752
.760 -.0145
.808 .0758
.850 -.2187
.857 -.2984
.905 -.4595
.950 -.5074
.955 -.6059

1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (2) = 1.087 ALPHA (1) = -8.500 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2816	.2813
.020		-.9390
.030	-.2217	
.048	-.1411	
.050		-.9976
.065	-.1793	
.150		-.5170
.177	-.1784	
.250		-.5355
.274	-.1173	
.402	-.1445	
.565	.1556	
.650		-.0261
.750		.2386
.760	-.4115	
.808	-.1699	
.850		-.0941
.857	-.4512	
.905	-.5997	
.950		-.3629
.953	-.7151	

MACH (2) = 1.103 ALPHA (2) = -6.270 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3639	.3772
.020		-.8657
.030	-.0695	
.048	-.0465	
.050		-.8828
.065	-.1080	
.150		-.4104
.177	-.0923	
.250		-.2855
.274	-.0542	
.402	.0520	
.565	.2022	
.650		.0348
.750		.2714
.760	-.3760	
.808	-.1659	

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TABULATED PRESSURE DATA - 1A70

PAGE 901

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (2) = 1.103 ALPHA (2) = -6.270

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0624
.857 -.4114
.905 -.5621
.950 -.3388
.953 -.6819

MACH (2) = 1.116 ALPHA (3) = -4.077 RUN = 07.000 RM/L = 6.756 BETA = 4.324

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4411 .4741
.020 -.7346
.030 .0274
.048 .0448
.050 -.7208
.085 -.0391
.150 -.1428
.177 -.0004
.250 .0552
.274 -.0136
.402 .1503
.565 .2470
.650 .0026
.750 .2914
.760 -.3412
.808 -.1207
.850 -.0312
.857 -.3769
.905 -.5402
.950 -.3152
.953 -.6801

1A70 Q1 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L59)

MACH (2) = 1.123 ALPHA (4) = -1.872 RUN = 87,000 RN/L = 6.736 BETA = 4.324

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4728 .3536

.020 .5725

.030 .1303

.048 .1242

.050 .4046

.083 .0187

.130 .0753

.177 .0566

.250 .1976

.274 .0328

.402 .2381

.563 .2091

.650 -.0384

.750 .3183

.760 -.3107

.808 -.0854

.850 -.0091

.857 -.3511

.903 -.5268

.950 -.2989

.953 -.6457

MACH (2) = 1.123 ALPHA (5) = .336 RUN = 87,000 RN/L = 6.736 BETA = 4.324

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4862 .8432

.020 -.0603

.030 .2427

.048 .2138

.050 .0809

.083 .1140

.130 .1107

.177 .1074

.250 .2262

.274 .1585

.402 .2064

.563 .3103

.850 -.0443

.750 .3238

.760 -.3003

.808 -.0706

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL59)

MACH (2) = 1.123 ALPHA (5) = .336

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0059
.857 -.3434
.903 -.5282
.950 -.2983
.953 -.6492

MACH (2) = 1.114 ALPHA (6) = 2.527 RUN. = 87,000 RN/L = 6.756 BETA = 4.324

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4832 .6924
.020 .2659
.030 .3509
.048 .3086
.050 .2565
.065 .2296
.150 .1531
.177 .1989
.250 .2779
.274 .2246
.402 .3190
.565 .3220
.650 -.0505
.750 .3319
.760 -.3012
.808 -.0637
.850 -.0110
.857 -.3437
.905 -.5369
.950 -.3066
.953 -.6604

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (2) = 1.403 ALPHA (7) = 4.711 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000 .4463 .6594

.020 .4464

.030 .4404

.048 .3923

.050 .3914

.085 .3126

.130 .1770

.177 .2621

.250 .3094

.274 .2659

.402 .3264

.565 .3078

.650 -.0549

.750 .3304

.760 -.3177

.808 -.0726

.850 -.0187

.857 -.3527

.905 -.5481

.950 -.3138

.953 -.6614

MACH (2) = 1.092 ALPHA (8) = 6.915 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000 .3943 .8421

.020 .3613

.030 .4922

.048 .4435

.050 .4792

.085 .3641

.130 .1948

.177 .3031

.250 .3393

.274 .2933

.402 .3332

.565 .2982

.650 -.0537

.750 .3393

.760 -.3256

.808 -.0661

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (2) = 1.092 ALPHA (0) = 6.915

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 -.0155
.057 -.3530
.905 -.5445
.950 -.3043
.953 -.6503

MACH (2) = 1.086 ALPHA (9) = 9.089 RUN = 87.000 RN/L = 6.756 BETA = 4.324

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3294 .6135
.020 .6514
.030 .5260
.048 .4788
.050 .5553
.085 .3969
.150 .2147
.177 .3245
.250 .3702
.274 .3063
.402 .3293
.565 .2818
.650 -.0404
.750 .3509
.760 -.3293
.808 -.0576
.850 -.0135
.857 -.3385
.905 -.5286
.950 -.2928
.953 -.6339

IA70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (3) = 1.198 ALPHA (1) = -8.464 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING LOWER SURFACE - DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2046	.2984
.020		-.7834
.030	-.2943	
.046	-.2089	
.050		-.8212
.085	-.1795	
.150		-.4298
.177	-.1292	
.250		-.5932
.274	-.0689	
.402	-.1742	
.565	.1952	
.650		-.0182
.750		.3374
.760	-.3180	
.808	-.0782	
.850		.0230
.857	-.3333	
.905	-.4774	
.950		-.2338
.953	-.5870	

MACH (3) = 1.208 ALPHA (2) = -6.275 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2647	.4086
.020		-.7124
.030	-.2188	
.048	-.1704	
.050		-.7404
.085	-.0841	
.150		-.3659
.177	-.0654	
.250		-.3380
.274	-.0144	
.402	-.0951	
.565	.2398	
.650		.0835
.750		.3492
.760	-.2871	
.808	-.0423	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (3) = 1.206 ALPHA (2) = -6.275

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .0541
.857 -.3040
.905 -.4465
.950 -.2121
.953 -.5601

MACH (3) = 1.215 ALPHA (3) = -4.050 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3520 .5015
.020 -.6145
.030 -.0980
.048 -.0714
.050 -.6280
.085 .0311
.150 -.2825
.177 .0086
.230 -.1494
.274 .0013
.402 -.0208
.565 .2903
.650 .1084
.750 .3672
.780 -.2662
.808 -.0137
.850 .0821
.857 -.2763
.905 -.4229
.950 -.1905
.953 -.5445

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (3) = 1.219 ALPHA (4) = -1.855 RUN = 84,000 RN/L = 7.067 BETA = 4.326

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3977	.5759
.020		-.4951
.030	.0142	
.048	.0720	
.050		-.4725
.085	.0400	
.150		-.0813
.177	.0469	
.250		-.0945
.274	.0470	
.402	.1577	
.565	.3322	
.650		.0839
.750		.3809
.760	-.2486	
.808	.0220	
.850		.0927
.857	-.2518	
.905	-.4072	
.950		-.1839
.953	-.5373	

MACH (3) = 1.217 ALPHA (5) = .360 RUN = 84,000 RN/L = 7.067 BETA = 4.326

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4161	.6302
.020		-.2719
.030	.1670	
.048	.1707	
.050		-.1554
.085	.1563	
.150		-.0373
.177	.1007	
.250		.2910
.274	.1165	
.402	.2818	
.565	.3642	
.650		.0392
.750		.3863
.760	-.2369	
.808	.0458	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L39)

MACH (3) = 1.217 ALPHA (5) = .360

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .0926
.857 -.2391
.905 -.4014
.950 -.1874
.953 -.5388

MACH (3) = 1.210 ALPHA (6) = 2.540 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4777 .6760
.020 .0554
.030 .3264
.040 .2973
.050 .1799
.085 .1722
.150 .1408
.177 .1722
.250 .3036
.274 .1533
.402 .3363
.565 .3758
.650 .0376
.750 .4020
.760 -.2342
.808 .0594
.850 .0962
.857 -.2330
.905 -.4004
.950 -.1893
.953 -.5436

1A7D O1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL59)

MACH (3) = 1.203 ALPHA (7) = 4.694 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4567 .6971

.020 .3862

.030 .3993

.048 .3556

.050 .3573

.085 .2653

.130 .1798

.177 .2185

.250 .3456

.274 .2445

.402 .3443

.565 .3682

.650 .0301

.750 .4083

.760 -.2405

.808 .0590

.850 .0975

.857 -.2330

.905 -.4049

.950 -.1895

.953 -.5481

MACH (3) = 1.193 ALPHA (8) = 6.867 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3980 .6942

.020 .5418

.030 .4562

.048 .4171

.050 .4763

.085 .3451

.150 .2058

.177 .2851

.250 .3817

.274 .2858

.402 .3508

.565 .3566

.650 .0284

.750 .4160

.760 -.2502

.808 .0600

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (3) = 1.193 , ALPHA (8) = 6.867

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .0995
.857 -.2360
.905 -.4076
.950 -.1837
.953 -.5460

MACH (3) = 1.182 ALPHA (9) = 9.049 RUN = 84.000 RN/L = 7.067 BETA = 4.328

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3769 .6714
.020 .6507
.030 .5023
.048 .4597
.050 .5646
.085 .3793
.150 .2244
.177 .3093
.250 .4098
.274 .3027
.402 .3445
.565 .3326
.650 .0332
.750 .4232
.760 -.2646
.808 .0564
.850 .0992
.857 -.2331
.905 -.4011
.950 -.1703
.953 -.5329

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (4) = 1.504 ALPHA (1) = -8.644 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2493	.4529
.020		-.4534
.030	-.1986	
.040	-.1577	
.050		-.4902
.065	-.1694	
.150		-.2470
.177	-.1691	
.250		-.4371
.274	-.1479	
.402	.0081	
.565	.0844	
.650		-.1601
.750		.0488
.760	-.0002	
.808	.1535	
.850		.3255
.857	-.0431	
.905	-.2050	
.950		.0602
.953	-.3190	

MACH (4) = 1.504 ALPHA (2) = -6.411 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3090	.5158
.020		-.4288
.030	-.1158	
.040	-.1019	
.050		-.4576
.065	-.1406	
.150		-.2251
.177	-.1570	
.250		-.3896
.274	-.1365	
.402	.0196	
.565	.1184	
.650		-.0548
.750		.1962
.760	.0131	
.808	.1598	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (4) = 1.504 ALPHA (2) = -6.411

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE: CP

ZY/B .4360 .7710

X/C

.850 .3065
.857 -.0344
.905 -.1979
.950 .0713
.953 -.3149

MACH (4) = 1.504 ALPHA (3) = -4.139 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE: CP

ZY/B .4360 .7710

X/C

.000 .3456 .5595
.020 -.3768
.030 -.0475
.048 -.0585
.050 -.4000
.065 -.0916
.150 -.1913
.177 -.1318
.250 -.3288
.274 -.1063
.402 .0399
.565 .1931
.650 .0979
.750 .3786
.760 .0259
.808 .1649
.850 .3373
.857 -.0215
.905 -.1637
.950 .0812
.953 -.3050

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (4) = 1.504 ALPHA (4) = -1.916 RUN = 119,000 RN/L = 7.433 BETA = 4,355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3763	.6065
.020		-.2978
.030	.0139	
.048	-.0105	
.050		-.3226
.065	-.0195	
.130		-.1442
.177	-.0926	
.250		-.2174
.274	-.0396	
.402	.0645	
.565	.3139	
.650		.2949
.750		.4653
.760	.0458	
.808	.2205	
.850		.3280
.857	.0045	
.905	-.1635	
.950		.0822
.953	-.2874	

MACH (4) = 1.504 ALPHA (5) = .309 RUN = 119,000 RN/L = 7.433 BETA = 4,355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4045	.6775
.020		-.1919
.030	.0741	
.048	.0574	
.050		-.1924
.065	.0434	
.130		-.0555
.177	.0061	
.250		-.0897
.274	.0265	
.402	.0959	
.565	.3966	
.650		.3467
.750		.5417
.760	.0647	
.808	.2627	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL59)

MACH (4) = 1.504 ALPHA (5) = .309

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .3307
.857 .0294
.905 -.1442
.950 .0819
.953 -.2723

MACH (4) = 1.504 ALPHA (6) = 2.535 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .4250 .7130
.020 -.0608
.030 .2155
.048 .1909
.050 -.0373
.065 .0716
.150 .0208
.177 .0759
.250 .0355
.274 .1036
.402 .1763
.565 .4604
.650 .3320
.750 .5808
.760 .0782
.808 .3136
.850 .3319
.857 .0499
.905 -.1273
.950 .0602
.953 -.2583

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L59)

MACH (4) = 1.504 ALPHA (7) = 4.777 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4562	.7452
.020		.1760
.030	.2679	
.048	.2214	
.050		.1813
.085	.1383	
.150		.1154
.177	.1782	
.250		.2579
.274	.2098	
.402	.2551	
.565	.4868	
.650		.3163
.750		.6020
.760	.0843	
.808	.3316	
.850		.3325
.857	.0653	
.905	-.1155	
.950		.0794
.953	-.2483	

MACH (4) = 1.504 ALPHA (8) = 7.011 RUN = 119.000 RN/L = 7.433 BETA = 4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4536	.7718
.020		.4083
.030	.3491	
.048	.3351	
.050		.3727
.085	.2601	
.150		.1623
.177	.2830	
.250		.2962
.274	.2858	
.402	.2577	
.565	.4691	
.650		.3010
.750		.5979
.760	.0752	
.808	.3295	

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RF7L59)

MACH (4) = 1.504 ALPHA (8) = 7.011

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .3247

.857 .0616

.905 -.1143

.950 .0785

.953 -.2457

MACH (4) = 1.504 ALPHA (9) = 9.232 RUN = 119.000 RM/L = 7.433 BETA = 4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4953 .7847

.020 .6013

.030 .4061

.040 .3856

.050 .5356

.065 .3101

.150 .2216

.177 .3265

.250 .3933

.274 .2608

.402 .2441

.565 .4359

.650 .2386

.750 .5459

.760 .0653

.800 .3176

.850 .3009

.857 .0606

.905 -.1107

.950 .0891

.953 -.2369

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L60) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = 8.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 SDFLAP = .000
 ELV-18 = 12.000 ELV-C8 = 10.000

MACH (1) = .900 ALPHA (1) = -8.185 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1061 -.0907
 .020 .1124
 .030 -.3994
 .048 -.3033
 .050 -1.1009
 .065 -.3472
 .130 -.6144
 .177 -.2347
 .230 -.8760
 .274 -.1927
 .402 -.1124
 .565 -.1203
 .630 -.2324
 .750 -.0332
 .760 -.3424
 .808 -.1799
 .830 -.3431
 .837 -.3660
 .905 -.4507
 .950 -.4899
 .953 -.5091

MACH (1) = .897 ALPHA (2) = -8.030 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2203 .0637
 .020 .10994
 .030 -.2567
 .048 -.1986
 .050 -1.0800
 .065 -.2308
 .130 -.5198
 .177 -.1724
 .230 -.0462

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL60)

MACH (1) = .897 ALPHA (2) = -6.030

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1333
.402	-.0507
.565	-.0982
.650	-.2585
.750	-.0430
.760	-.2969
.808	-.1559
.850	-.3378
.857	-.3558
.905	-.4498
.950	-.5014
.953	-.5093

MACH (1) = .897 ALPHA (3) = -3.895 RUN = 92.000 RN/L = 8.044 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3091	.2020
.020		-.8317
.030	-.1233	
.048	-.0999	
.050		-.8799
.085	-.1524	
.150		-.2206
.177	-.1078	
.250		-.1573
.274	-.0799	
.402	-.0091	
.565	-.0743	
.650		-.2905
.750		.0439
.760	-.2517	
.808	-.1239	
.850		-.3048
.857	-.3409	
.905	-.4448	
.950		-.5230
.953	-.5149	

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L60)

MACH (1) = .898 ALPHA (4) = -1.745 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3707	.3424
.020		-.6605
.030	.0014	
.048	-.0026	
.050		-.3316
.065	-.0620	
.150		-.0957
.177	-.0454	
.250		-.0987
.274	-.0281	
.402	.0252	
.565	-.0532	
.650		-.2582
.750		.0749
.760	-.2134	
.808	-.0928	
.850		-.2755
.857	-.3298	
.905	-.4456	
.950		-.5159
.953	-.5395	

MACH (1) = .898 ALPHA (5) = .393 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4013	.4410
.020		-.2770
.030	.1178	
.048	.0923	
.050		-.1860
.065	.0261	
.150		-.0402
.177	.0142	
.250		-.0453
.274	.0176	
.402	.0517	
.565	-.0413	
.650		-.1892
.750		.1073
.760	-.1595	
.808	-.0596	

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RF7L60)

MACH (1) = .898 ALPHA (5) = .393

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2577
.857 -.3235
.905 -.4509
.950 -.5037
.953 -.5610

MACH (1) = .898 ALPHA (6) = 2.538 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3964 .4809
.020 .0002
.030 .2131
.048 .1740
.050 -.0028
.085 .1022
.150 .0059
.177 .0676
.250 .0088
.274 .0588
.402 .0770
.563 -.0282
.650 -.1135
.750 .1412
.760 -.1039
.808 -.0249
.850 -.2471
.857 -.3223
.905 -.4561
.950 -.5011
.953 -.5703

1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L60)

MACH (1) = .099 ALPHA (7) = 4.864 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3729 .4730

.020 .1862

.030 .2834

.048 .2401

.050 .1387

.085 .1645

.150 .0452

.177 .1148

.250 .0552

.274 .0969

.402 .1047

.565 -.0074

.650 -.0526

.750 .1595

.760 -.0645

.808 -.0019

.850 -.2480

.857 -.3301

.905 -.4722

.950 -.4943

.953 -.5841

MACH (1) = .900 ALPHA (8) = 6.806 RUN = 92.000 RN/L = 6.044 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3384 .4326

.020 .3160

.030 .3308

.048 .2830

.050 .2374

.085 .2059

.150 .0757

.177 .1476

.250 .0986

.274 .1238

.402 .1208

.565 .0012

.650 -.0316

.750 .1562

.760 -.0456

.808 .0033

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L60)

MACH (1) = .900 ALPHA (6) = 6.806

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2416

.857 -.3373

.905 -.4810

.950 -.4698

.953 -.5916

MACH (1) = .899 ALPHA (9) = 8.936 RUN = 92,000 RN/L = .6,044 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2903 .3690---

.020 .4240

.030 .3580

.048 .3098

.050 .3293

.085 .2328

.150 .1084

.177 .1720

.250 .1483

.274 .1447

.402 .1305

.565 .0026

.650 .0022

.750 .1699

.760 -.0502

.808 -.0169

.850 -.2111

.857 -.3599

.905 -.4908

.950 -.4448

.953 -.5790

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REF7L60)

MACH (2) = 1.090 ALPHA (1) = -0.354 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2039	.1139
.020		-.9991
.030	-.1965	
.040	-.1418	
.050		-.9586
.085	-.1874	
.150		-.4702
.177	-.1436	
.250		-.7472
.274	-.1380	
.402	-.0398	
.565	-.0574	
.650		-.1639
.750		.1428
.780	-.3043	
.808	-.2815	
.850		-.1342
.857	-.4616	
.905	-.6085	
.950		-.4138
.953	-.7444	

MACH (2) = 1.105 ALPHA (2) = -0.386 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3160	.2847
.020		-.9226
.030	-.0953	
.040	-.0679	
.050		-.9221
.085	-.1138	
.150		-.3500
.177	-.0834	
.250		-.3274
.274	-.0698	
.402	.0215	
.565	.0074	
.650		-.0894
.750		.2340
.780	-.4671	
.808	-.2325	

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TABULATED PRESSURE DATA - 1A70

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1A70 G1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L60)

MACH (2) = 1.105 ALPHA (2) = -6.386

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0914
.857 -.4407
.905 -.5825
.950 -.3736
.953 -.7148

MACH (2) = 1.117 ALPHA (3) = -4.178 RUN = 86.000 RN/L = 6.756 BETA = .000

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3759 .3588
.020 -.8034
.030 .0065
.048 .0152
.050 -.7808
.085 -.0543
.130 -.1574
.177 -.0271
.250 -.1292
.274 -.0256
.402 .0579
.565 .0588
.650 -.0746
.750 .2468
.760 -.4326
.808 -.2208
.850 -.0616
.857 -.4084
.905 -.5500
.950 -.3435
.953 -.6824

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REF7L60)

MACH (2) = 1.131 ALPHA (4) = -1.978 RUN = 88,000 RN/L = 6.756 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4124	.4475
.020		-.6324
.030	.1060	
.048	.0982	
.050		-.5472
.085	.0126	
.150		-.0816
.177	.0318	
.250		.1206
.274	.0323	
.402	.1076	
.565	.1110	
.650		-.0939
.750		.2569
.760	-.3978	
.808	-.1904	
.850		-.0446
.857	-.3824	
.905	-.5224	
.950		-.3274
.955	-.6461	

MACH (2) = 1.135 ALPHA (5) = .210 RUN = 88,000 RN/L = 6.756 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4398	.5214
.020		-.3164
.030	.1994	
.048	.1731	
.050		-.1829
.065	.0742	
.150		.0970
.177	.0882	
.250		.1738
.274	.0850	
.402	.1715	
.565	.1615	
.650		-.0916
.750		.2743
.760	-.3661	
.808	-.1600	

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L60)

MACH (2) = 1.135 ALPHA (5) = .210

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0325
.857 -.3714
.905 -.5245
.950 -.3188
.953 -.6493

MACH (2) = 1.127 ALPHA (6) = 2.407 RUN = 88,000 RN/L = 6.756 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4239 .5977
.020 .1145
.030 .2965
.048 .2577
.050 .1388
.085 .1830
.150 .1200
.177 .1450
.250 .2178
.274 .1498
.402 .2054
.585 .1753
.650 -.0949
.750 .2836
.760 -.3665
.808 -.1515
.850 -.0319
.857 -.3763
.905 -.5415
.950 -.3218
.953 -.6646

IA70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L60)

MACH (2) = 1.118 ALPHA (7) = 4.380 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3822	.6111
.020		.3376
.030	.3747	
.048	.3301	
.050		.3027
.085	.2542	
.150		.1519
.177	.1921	
.250		.2573
.274	.1839	
.402	.2197	
.565	.1718	
.650		-.1035
.750		.2868
.760	-.3805	
.808	-.1587	
.850		-.0361
.857	-.3848	
.905	-.5524	
.950		-.3280
.953	-.6671	

MACH (2) = 1.109 ALPHA (8) = 6.788 RUN = 88.000 RN/L = 6.756 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3322	.5975
.020		.4589
.030	.4179	
.048	.3721	
.050		.3932
.085	.2942	
.150		.1709
.177	.2241	
.250		.2875
.274	.2078	
.402	.2263	
.565	.1660	
.650		-.0978
.750		.2968
.760	-.3879	
.808	-.1566	

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WING LOWER SURFACE

(RF7L60)

MACH (2) = 1.109 ALPHA (8) = 6.768

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830		-.0331
.837	-.3826	
.905	-.5491	
.950		-.3234
.953	-.6541	

MACH (2) = 1.103 ALPHA (8) = 8.970 RUN = 88,000 RN/L = 6.756 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2372	.5766
.020		.5466
.030	.4070	
.040	.3671	
.050		.4620
.065	.2964	
.130		.1862
.177	.2301	
.250		.3122
.274	.2098	
.402	.2122	
.565	.1347	
.650		-.0915
.750		.3051
.760	-.4058	
.808	.0097	
.850		-.0316
.857	-.3774	
.905	-.5246	
.950		-.3101
.953	-.5706	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L60)

MACH (3) = 1.201 ALPHA (1) = -8.343 RUN = 83,000 RN/L = 7.089 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1418 .1904

.020 .8084

.030 -.2458

.048 -.1764

.050 -.8325

.085 -.1994

.150 -.4321

.177 -.1370

.250 -.5398

.274 -.1346

.402 -.0331

.565 -.0211

.650 -.0628

.750 .2330

.760 -.4104

.808 -.1734

.850 -.0147

.857 -.3654

.905 -.4815

.950 -.2708

.953 -.6039

MACH (3) = 1.212 ALPHA (2) = -6.266 RUN = 83,000 RN/L = 7.089 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2344 .2995

.020 -.7538

.030 -.1283

.048 -.0900

.050 -.7809

.085 -.1213

.150 -.3916

.177 -.0653

.250 -.3957

.274 -.0840

.402 .0000

.565 .0102

.650 -.0269

.750 .2912

.760 -.3902

.808 -.1560

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RF7L60)

MACH (3) = 1.212 ALPHA (2) = -6.266

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.850 .0216

.837 -.3440

.805 -.4606

.950 -.2451

.953 -.5656

MACH (3) = 1.218 ALPHA (3) = -4.052 RUN = 83.000 RIVL = 7.089 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000 .3609 .3794

.020 -.6746

.030 .0003

.046 .0014

.050 -.6830

.085 -.0481

.150 -.2757

.177 -.0224

.250 -.2012

.274 .0029

.402 .0591

.565 .0623

.650 .0232

.750 .3124

.760 -.3704

.808 -.1337

.850 .0459

.857 -.3303

.905 -.4452

.950 -.2224

.953 -.5670

1A7D Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L60)

MACH (3) = 1.221 ALPHA (4) = -1.827 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4006	.4709
.020		-.5489
.030	.1060	
.048	.0899	
.050		-.5120
.085	.0176	
.150		-.1104
.177	.0514	
.250		-.0664
.274	.0324	
.402	.1073	
.565	.1203	
.650		.0280
.750		.3264
.760	-.3518	
.808	-.1097	
.850		.0563
.857	-.3121	
.905	-.4296	
.950		-.2153
.953	-.5507	

MACH (3) = 1.224 ALPHA (5) = .346 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4217	.5389
.020		-.3341
.030	.1880	
.048	.1695	
.050		-.2094
.085	.0827	
.150		-.0406
.177	.0981	
.250		.0436
.274	.0782	
.402	.1489	
.565	.1801	
.650		.0090
.750		.3392
.760	-.3287	
.808	-.0721	

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RF7L60)

MACH (3) = 1.224 ALPHA (5) = .346

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050		.0811
.857	-.2904	
.905	-.4204	
.950		-.2143
.953	-.5428	

MACH (3) = 1.218 ALPHA (6) = 2.611 RUN = 83,000 RN/L = 7.089 BETA = .000

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.4145	.5852
.020		-.0394
.030	.2715	
.048	.2583	
.050		.0173
.085	.1408	
.150		.0364
.177	.1406	
.250		.2664
.274	.1337	
.402	.1674	
.565	.2042	
.650		-.0132
.730		.3433
.760	-.3291	
.808	-.0601	
.930		.0621
.857	-.2929	
.905	-.4356	
.950		-.2172
.953	-.5561	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L60)

MACH (3) = 1.210 ALPHA (7) = 4.709 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3742	.5940
.020		.2423
.030	.3533	
.048	.3134	
.050		.2280
.065	.2332	
.150		.1357
.177	.1719	
.250		.2822
.274	.1852	
.402	.2156	
.565	.1974	
.650		-.0177
.750		.3448
.760	-.3452	
.808	-.0898	
.850		.0577
.857	-.3029	
.905	-.4454	
.950		-.2215
.953	-.5633	

MACH (3) = 1.202 ALPHA (8) = 6.906 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3165	.6109
.020		.4361
.030	.3937	
.048	.3581	
.050		.3839
.065	.2804	
.150		.1678
.177	.2116	
.250		.3208
.274	.2038	
.402	.2334	
.565	.1955	
.650		-.0147
.750		.3375
.760	-.3544	
.808	-.0871	

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1A70 01 T12 S1 P2-P8

WING LOWER SURFACE

(RF7L00)

MACH (3) = 1.202 ALPHA (6) = 6.906

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .0608
.857 -.2997
.905 -.4395
.950 -.2153
.953 -.5515

MACH (3) = 1.194 ALPHA (9) = 9.114 RUN = 83.000 RN/L = 7.089 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1875 .6032
.020 .5544
.030 .3803
.048 .3497
.050 .4757
.065 .2893
.150 .1880
.177 .2283
.250 .3503
.274 .2095
.402 .2172
.565 .1578
.650 -.0129
.750 .3664
.760 -.3771
.808 -.0921
.850 .0584
.857 -.3048
.905 -.4295
.950 -.2030
.953 -.5181

1A70 01.112 S1 P2 P8 WING LOWER SURFACE (RF7L60)

MACH (4) = 1.504 ALPHA (1) = -8.656 RUN = 120,000 RN/L = 7.433 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE-CP—

2Y/B .4360 .7710

X/C

.000	.1342	.2889
.020		-.4996
.030	-.2703	
.048	-.1953	
.050		-.5307
.085	-.2043	
.130		-.2731
.177	-.1826	
.250		-.4917
.274	-.1321	
.402	-.0266	
.565	.0265	
.650		-.2156
.750		.3727
.760	-.1463	
.808	.0157	
.850		.1317
.857	-.1520	
.905	-.2748	
.950		-.0768
.953	-.3584	

MACH (4) = 1.504 ALPHA (2) = -6.416 RUN = 120,000 RN/L = 7.433 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1751	.3463
.020		-.4804
.030	-.1744	
.048	-.1451	
.050		-.5126
.085	-.1758	
.150		-.2582
.177	-.1615	
.250		-.4602
.274	-.1092	
.402	.0085	
.565	.0396	
.650		-.0156
.750		.3125
.760	-.1464	
.808	.0184	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L60)

MACH (4) = 1.504 ALPHA (2) = -6.416

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .1741
.857 -.1529
.905 -.2752
.950 -.0334
.953 -.3603

MACH (4) = 1.504 ALPHA (3) = -4.164 RUN = 120.000 RN/L = 7.433 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2264 .4039
.020 -.4402
.030 -.0806
.040 -.0876
.050 -.4654
.065 -.1338
.150 -.2288
.177 -.1289
.250 -.3980
.274 -.0668
.402 .0417
.565 .0652
.650 .1722
.750 .3747
.760 -.1388
.808 .0334
.850 .2262
.857 -.1382
.905 -.2598
.950 .0053
.953 -.3484

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(REFL60)

MACH (4) = 1.504 ALPHA (4) = -1.966 RUN = 120.000 RN/L = 7.433 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2861	.5002
.020		-.3465
.030	-.0229	
.048	-.0409	
.050		-.3654
.083	-.0733	
.150		-.1668
.177	-.0549	
.250		-.2333
.274	.0252	
.402	.1326	
.565	.1144	
.630		.2209
.750		.4279
.760	-.1161	
.808	.0617	
.830		.2539
.857	-.1181	
.905	-.2394	
.950		.0211
.953	-.3323	

MACH (4) = 1.504 ALPHA (5) = .283 RUN = 120.000 RN/L = 7.433 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3286	.5601
.020		-.2446
.030	.0675	
.048	.0576	
.050		-.2450
.083	.0234	
.150		-.0421
.177	.0380	
.250		.0842
.274	.1055	
.402	.1736	
.565	.1468	
.650		.2607
.750		.4799
.760	-.0603	
.808	.0973	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L80)

MACH (4) = 1.504 ALPHA (5) = .283

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .2755
.857 -.0941
.905 -.2215
.950 .0343
.953 -.3177

MACH (4) = 1.504 ALPHA (6) = 2.504 RUN = 120.000 RM/L = 7.433 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3589 .6073
.020 -.0822
.030 .1784
.048 .1667
.050 .0048
.065 .1036
.150 .0553
.177 .1161
.250 .1185
.274 .1609
.402 .2061
.565 .1833
.650 .3165
.750 .5257
.760 -.0386
.808 .1447
.850 .2911
.857 -.0817
.905 -.1978
.950 .0421
.953 -.3016

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(REFL60)

MACH (4) = 1.504 ALPHA (7) = 4.735 RUN = 120,000 RN/L = 7.433 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3235	.8464
.020		.2117
.030	.2794	
.048	.2523	
.050		.2145
.085	.1894	
.150		.1029
.177	.2043	
.250		.1964
.274	.2059	
.402	.2247	
.585	.2302	
.650		.2956
.750		.3398
.780	-.0316	
.808	.1701	
.850		.2848
.857	-.0512	
.905	-.1971	
.950		.0375
.953	-.3086	

MACH (4) = 1.504 ALPHA (8) = 8.974 RUN = 120,000 RN/L = 7.433 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3258	.8612
.020		.3908
.030	.3641	
.048	.3323	
.050		.3528
.085	.2642	
.150		.1447
.177	.2379	
.250		.2554
.274	.2214	
.402	.2459	
.585	.2588	
.650		.2731
.750		.3393
.780	-.0413	
.868	.1737	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL60)

MACH (4) = 1.504 ALPHA (8) = 6.974

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 .2792
.057 -.0501
.905 -.1967
.950 .0397
.953 -.3075

MACH (4) = 1.504 ALPHA (9) = 9.194 RUN = 120,000 RN/L = 7.433 BETA = .000

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3253 .6700
.020 .5263
.030 .5607
.048 .3534
.050 .4597
.085 .2621
.150 .1864
.177 .2621
.250 .3169
.274 .2256
.402 .2584
.565 .2570
.650 .2352
.750 .5166
.760 -.0655
.808 .1357
.850 .2578
.857 -.0680
.905 -.2069
.950 .0374
.953 -.3125

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61) (25 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = -4.000 ELV-1 = 8.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 BDFLAP = .000
 ELV-1B = 12.000 ELV-CB = 10.000

MACH (1) = .900 ALPHA (1) = -8.239 RUN = 160.000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0617 -.2201
 .020 .020 -1.1975
 .030 -.3180
 .048 -.2400
 .050 -1.2052
 .063 -.2454
 .150 -.3833
 .177 -.1869
 .250 -.5658
 .274 -.1700
 .402 -.1388
 .563 -.2127
 .650 -.2486
 .750 -.0136
 .760 -.3080
 .809 -.2687
 .850 -.3494
 .857 -.4147
 .905 -.4115
 .950 -.6482
 .953 -.3758

MACH (1) = .897 ALPHA (2) = -8.047 RUN = 160.000 -RN/L = 5.900 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1790 -.0584
 .020 .020 -1.1347
 .030 -.2029
 .048 -.1544
 .050 -1.0956
 .063 -.1726
 .150 -.2927
 .177 -.1270
 .250 -.2786

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (1) = .897 ALPHA (2) = -6.047

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1167
.402	-.1006
.565	-.1853
.650	-.2351
.750	-.0547
.760	-.2802
.808	-.2454
.850	-.3737
.857	-.3943
.905	-.3978
.950	-.6742
.953	-.3760

MACH (1) = .898 ALPHA (3) = -3.933 RUN = 160.000 RM/L = 5.900 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2408	.0869
.020		-.9887
.030	-.0937	
.048	-.0721	
.050		-.8205
.085	-.0968	
.150		-.1420
.177	-.0726	
.250		-.1974
.274	-.0715	
.402	-.0627	
.565	-.1563	
.650		-.2220
.750		-.0075
.760	-.2586	
.808	-.2273	
.850		-.3448
.857	-.3785	
.905	-.3893	
.950		-.6561
.953	-.3829	

- 1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L61)

MACH (1) = .898 ALPHA (4) = -1.742 RUN = 160,000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2617	.2363
.020		-.7401
.030	.0008	
.048	.0022	
.050		-.4132
.085	-.0262	
.150		-.1090
.177	-.0229	
.250		-.1466
.274	-.0295	
.402	-.0323	
.565	-.1361	
.650		-.2371
.750		.0168
.760	-.2478	
.808	-.2198	
.850		-.3297
.857	-.3736	
.905	-.3692	
.950		-.8481
.953	-.3905	

MACH (1) = .899 ALPHA (5) = .325 RUN = 160,000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2577	.3464
.020		-.3631
.030	.0851	
.048	.0724	
.050		-.2091
.065	.0404	
.150		-.0563
.177	.0256	
.250		-.0905
.274	.0127	
.402	.0009	
.565	-.1107	
.650		-.2013
.750		.0415
.760	-.2277	
.808	-.2043	

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (1) = .899 ALPHA (5) = .325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -- .3184
.857 -.3684
.905 -.3923
.950 -.6349
.953 -.4019

MACH (1) = .898 ALPHA (6) = 2.475 RUN = 160.000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2249 .4059
.020 -.0750
.030 .1533
.048 .1341
.050 -.0612
.085 .1002
.150 -.0093
.177 .0715
.250 -.0341
.274 .0518
.402 .0330
.565 -.0868
.650 -.1646
.750 .0656
.760 -.2095
.808 -.1865
.850 -.3107
.857 -.3584
.905 -.3915
.950 -.6287
.953 -.4050

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (1) = .898 ALPHA (7) = 4.612 RUN = 160,000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1797	.4110
.020		.1110
.030	.1959	
.048	.1760	
.050		.0664
.085	.1404	
.150		.0233
.177	.1038	
.230		.0118
.274	.0807	
.402	.0568	
.563	-.0686	
.650		-.1032
.750		.0874
.760	-.1947	
.808	-.1710	
.850		-.3053
.857	-.3556	
.905	-.3940	
.950		-.8214
.953	-.4104	

MACH (1) = .899 ALPHA (8) = 6.732 RUN = 160,000 RN/L = 5.900 BETA = -4.230

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1588	.3787
.020		.2351
.030	.2228	
.048	.2004	
.050		.1678
.085	.1808	
.150		.0550
.177	.1228	
.250		.0527
.274	.0988	
.402	.0725	
.563	-.0392	
.650		-.0792
.750		.0913
.760	-.1828	
.808	-.1565	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (1) = .889 ALPHA (8) = 6.732

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.3094
.857 -.3390
.905 -.4008
.950 -.5901
.953 -.4179

MACH (1) = .900 ALPHA (9) = 8.871 RUN = 160.000 RN/L = 5.900 BETA = -4.250

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1064 .2974
.020 .3423
.030 .2460
.040 .2231
.050 .2564
.065 .1818
.150 .0902
.177 .1381
.250 .1016
.274 .1123
.402 .0833
.565 -.0493
.650 -.0338
.750 .1084
.760 -.1741
.808 -.1530
.830 -.2694
.857 -.3698
.905 -.4153
.950 -.5591
.953 -.4181

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (2) = 1.089 ALPHA (1) = -8.536 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1251	-.0854
.020		-.0295
.030	-.1967	
.048	-.1788	
.050		-.8249
.085	-.1944	
.150		-.5090
.177	-.1613	
.250		-.8720
.274	-.1383	
.402	-.0934	
.565	-.1593	
.650		-.2558
.750		.1734
.760	-.5402	
.808	-.3182	
.850		-.1244
.857	-.8033	
.905	-.5442	
.950		-.4241
.953	-.6039	

MACH (2) = 1.104 ALPHA (2) = -6.394 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2143	.1013
.020		-.8089
.030	-.1391	
.048	-.1122	
.050		-.8940
.085	-.1308	
.150		-.4249
.177	-.0997	
.250		-.8784
.274	-.0761	
.402	-.0374	
.565	-.1162	
.650		-.1549
.750		.1658
.760	-.4840	
.808	-.2771	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (2) = 1.104 ALPHA (2) = -6.304

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.650 -.1131
.657 -.4506
.905 -.5049
.950 -.3935
.953 -.5701

MACH (2) = 1.118 ALPHA (3) = -4.116 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4380 .7710

X/C

.000 .2809 .2370
.020 -.6092
.030 -.0303
.040 -.0179
.050 -.7822
.085 -.0559
.150 -.2435
.177 -.0551
.250 -.2022
.274 -.0277
.402 -.0018
.565 -.0758
.650 -.1631
.750 .2052
.760 -.4315
.800 -.2520
.850 -.1041
.857 -.4283
.905 -.4765
.950 -.3830
.953 -.5557

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (2) = 1.128 ALPHA (4) = -1.900 RUN = 89,000 RW/L = 6.767 BETA = -4.326

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2986	.3500
.020		-.6676
.030	.0515	
.040	.0483	
.050		-.5803
.085	.0132	
.150		-.0969
.177	.0224	
.250		-.0657
.274	.0017	
.402	.0437	
.565	-.0288	
.650		-.1647
.750		.1668
.760	-.4034	
.808	-.2365	
.850		-.1083
.857	-.4168	
.905	-.4398	
.950		-.3741
.953	-.5061	

MACH (2) = 1.124 ALPHA (5) = .286 RUN = 89,000 RW/L = 6.767 BETA = -4.326

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2984	.4206
.020		-.3808
.030	.1291	
.040	.1133	
.050		-.2392
.085	.0791	
.150		.0025
.177	.0738	
.250		.1050
.274	.0753	
.402	.0628	
.565	.0040	
.650		-.1634
.750		.1639
.760	-.3398	
.808	-.2100	

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TABULATED PRESSURE DATA - 1A70

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WING LOWER SURFACE

(RFTL61).

MACH (2) = 1.124 ALPHA (5) = .286

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1155
.857 -.3906
.905 -.4515
.930 -.3813
.953 -.5158

MACH (2) = 1.116 ALPHA (6) = 2.476 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2871 .4826
.020 -.0304
.030 .1907
.048 .1678
.050 .0288
.085 .1295
.150 .0539
.177 .1113
.250 .1261
.274 .1073
.402 .1079
.565 .0147
.650 -.1866
.750 .1735
.760 -.3279
.808 -.2024
.850 -.1153
.857 -.3798
.905 -.4446
.950 -.3844
.953 -.5028

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (2) = 1.105 ALPHA (7) = 4.665 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING LOWER SURFACE --- DEPENDENT VARIABLE CP ---

ZY/B .4360 .7710

X/C

.000 .2330 .5030

.020 .1809

.030 .2044

.040 .1832

.050 .1602

.065 .1499

.150 .0817

.177 .1293

.250 .1841

.274 .1213

.402 .1179

.565 .0201

.650 -.1857

.750 .1911

.760 -.2935

.808 -.1821

.850 -.1080

.857 -.3749

.903 -.4430

.950 -.3845

.953 -.5036

MACH (2) = 1.095 ALPHA (8) = 6.860 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1280 .5033

.020 .3354

.030 .2158

.040 .2025

.050 .2852

.065 .1789

.150 .1093

.177 .1499

.250 .2068

.274 .1387

.402 .1293

.565 .0264

.650 -.1714

.750 .2147

.760 -.2751

.808 -.1758

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL61)

MACH (2) = 1.095 ALPHA (8) = 6.880

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0985
.857 -.3735
.905 -.4488
.950 -.3782
.953 -.5066

MACH (2) = 1.087 ALPHA (9) = 9.061 RUN = 89.000 RN/L = 6.767 BETA = -4.326

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0181 .5010
.020 .4568
.030 .2159
.048 .2178
.050 .3809
.085 .2040
.150 .1345
.177 .1760
.250 .2479
.274 .1605
.402 .1431
.565 .0334
.650 -.1526
.750 .2426
.760 -.2234
.808 -.1525
.850 -.0877
.857 -.3615
.905 -.4525
.950 -.3672
.953 -.5247

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (3) = 1.198 ALPHA (1) = -6.539 RUN = 81.000 RM/L = 7.156 BETA = -4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0754	.0430
.020		-.7380
.030	-.2507	
.048	-.1981	
.050		-.7334
.085	-.2007	
.150		-.4238
.177	-.1575	
.250		-.6810
.274	-.1206	
.402	-.0638	
.565	-.1197	
.650		-.1348
.750		.2826
.760	-.4735	
.808	-.2706	
.850		-.0349
.857	-.4461	
.905	-.5453	
.950		-.3000
.955	-.5415	

MACH (3) = 1.210 ALPHA (2) = -6.296 RUN = 81.000 RM/L = 7.156 BETA = -4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1890	.1550
.020		-.7618
.030	-.1161	
.048	-.1102	
.050		-.7647
.085	-.1387	
.150		-.3504
.177	-.0896	
.250		-.5169
.274	-.0678	
.402	-.0313	
.565	-.0848	
.650		-.0741
.750		.2161
.760	-.4450	
.808	-.2352	

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TABULATED PRESSURE DATA - 1A70

PAGE 955

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L81)

MACH (3) = 1.210 ALPHA (2) = -6.296

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.850	-.0169
.857	-.4162
.905	-.5001
.950	-.2801
.953	-.4860

MACH (3) = 1.217 ALPHA (3) = -4.100 RUN = 81.000 RNL = 7.156 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000	.2442	.2704
.020		-.7249
.030	-.0574	
.048	-.0491	
.050		-.7180
.085	-.0821	
.150		-.2432
.177	-.0390	
.250		-.2472
.274	-.0273	
.402	.0031	
.565	-.0511	
.650		-.0449
.750		.2656
.760	-.4004	
.808	-.1963	
.850		-.0097
.857	-.3927	
.905	-.4811	
.950		-.2678
.953	-.4792	

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TABULATED PRESSURE DATA - 1A70

PAGE 956

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L61)

MACH (3) = 1.220 ALPHA (4) = -1.895 RUN = 81.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2869	.3539
.020		-.6096
.030	.0276	
.048	.0197	
.050		-.5711
.085	-.0048	
.130		-.1343
.177	.0123	
.230		-.0872
.274	.0210	
.402	.0432	
.565	-.0082	
.650		-.0402
.750		.2588
.780	-.3689	
.808	-.1816	
.850		-.0111
.887	-.3782	
.905	-.4418	
.950		-.2857
.953	-.4549	

MACH (3) = 1.218 ALPHA (5) = .325 RUN = 81.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.2983	.4327
.020		-.4284
.030	.1094	
.048	.0946	
.050		-.2697
.085	.0580	
.130		-.0532
.177	.0594	
.230		.0144
.274	.0807	
.402	.0808	
.565	.0255	
.650		-.0481
.750		.2660
.780	-.3490	
.808	-.1705	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (3) = 1.216 ALPHA (5) = .325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.0173
.857 -.3542
.905 -.4049
.950 -.2714
.953 -.4446

MACH (3) = 1.212 ALPHA (6) = 2.525 RUN = 81.000 RN/L = 7.156 BETA = -4.335

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2861 .4838
.020 -.1210
.030 .1805
.048 .1579
.050 -.0460
.085 .1174
.150 .0184
.177 .1005
.250 .1056
.274 .1040
.402 .1129
.565 .0485
.650 -.0606
.750 .2722
.760 -.3383
.808 -.1564
.850 -.0178
.857 -.3383
.905 -.4040
.950 -.2716
.953 -.4397

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE - (RF7L61)

MACH (3) = 1.202 ALPHA (7) = 4.736 RUN = 81.000 RML = 7.136 BETA = -4.335

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2358 .5216

.020 .1607

.030 .2149

.048 .1937

.050 .1520

.085 .1590

.150 .0727

.177 .1389

.250 .2010

.274 .1382

.402 .1386

.565 .0659

.650 -.0591

.750 .2919

.760 -.3120

.808 -.1386

.850 -.0098

.857 -.3214

.905 -.3938

.950 -.2673

.953 -.4310

MACH (3) = 1.194 ALPHA (8) = 6.944 RUN = 81.000 RML = 7.156 BETA = -4.335

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1310 .5268

.020 .3184

.030 .2336

.048 .2206

.050 .2801

.085 .1947

.150 .1143

.177 .1669

.250 .2531

.274 .1591

.402 .1545

.565 .0737

.650 -.0441

.750 .3257

.760 -.2734

.808 -.1258

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TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (3) = 1.194 ALPHA (8) = 6.944

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .0037
.857 -.3074
.905 -.3816
.950 -.2573
.953 -.4287

MACH (3) = 1.183 ALPHA (9) = 9.151 RUN = 81.000 RN/L = 7.156 BETA = -4.335

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0064 .5372
.020 .4571
.030 .2388
.048 .2385
.050 .3901
.085 .2209
.150 .1440
.177 .1890
.250 .2954
.274 .1773
.402 .1648
.565 .0748
.650 -.0298
.750 .3436
.760 -.2375
.808 -.0993
.850 .0123
.857 -.2747
.905 -.3603
.930 -.2475
.933 -.4465

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(REFL 61)

MACH (4) = 1.504 ALPHA (1) = -6.863 RUN = 121.000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0715	.1427
.020		-.5296
.030	-.2377	
.048	-.1774	
.050		-.5217
.065	-.1695	
.100		-.2705
.177	-.1251	
.250		-.4557
.274	-.0657	
.402	-.0237	
.563	-.0575	
.650		-.1774
.750		.1049
.760	-.3032	
.806	-.12016	
.850		-.0081
.857	-.2858	
.905	-.3652	
.950		-.1455
.953	-.4332	

MACH (4) = 1.504 ALPHA (2) = -6.375 RUN = 121.000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1024	.1969
.020		-.5235
.030	-.1702	
.048	-.1365	
.050		-.5416
.065	-.1467	
.100		-.2748
.177	-.1023	
.250		-.3817
.274	-.0831	
.402	-.0154	
.565	-.0519	
.650		-.0762
.750		.1811
.760	-.2871	
.806	-.1722	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P3

WING LOWER SURFACE

(RF7L61)

MACH (4) = 1.504 ALPHA (2) = -5.373

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050 .0461
.057 -.2640
.005 -.3538
.050 -.0994
.953 -.4229

MACH (4) = 1.504 ALPHA (3) = -4.156 RUN = 121.000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1632 .2975
.020 -.4743
.030 -.0731
.040 -.0614
.050 -.4937
.085 -.1109
.150 -.2319
.177 -.0566
.250 -.1951
.274 -.0320
.402 .0196
.565 -.0151
.650 -.0760
.750 .2263
.760 -.2624
.808 -.1381
.850 .1106
.857 -.2449
.905 -.3383
.950 -.0716
.953 -.4094

1A70 . 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (4) = 1.504 ALPHA (4) = -1.920 RUN = 121.000 RM/L = 7.422 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2202	.3889
.020		-.3591
.030	.0184	
.048	-.0007	
.050		-.3670
.085	-.0298	
.150		-.0952
.177	.0197	
.250		-.1246
.274	.0152	
.402	.0509	
.565	.0205	
.650		.0811
.750		.3136
.760	-.2377	
.808	-.1034	
.850		.1515
.857	-.2250	
.905	-.3186	
.950		-.0521
.953	-.3927	

MACH (4) = 1.504 ALPHA (5) = .299 RUN = 121.000 RM/L = 7.422 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2734	.4565
.020		-.2817
.030	.1054	
.048	.0884	
.050		-.2343
.065	.0370	
.150		-.0500
.177	.0556	
.250		-.0253
.274	.0472	
.402	.0878	
.565	.0540	
.650		.1408
.750		.3567
.760	-.2135	
.808	-.0703	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (4) = 1.504 ALPHA (5) = .299

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850		.1634
.857	-.2083	
.905	-.3004	
.950		-.0458
.953	-.3757	

MACH (4) = 1.504 ALPHA (6) = 2.525 RUN = 121.000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2912	.4950
.020		-.0386
.030	.1826	
.048	.1521	
.050		.0144
.085	.0908	
.150		.0174
.177	.0989	
.250		.0736
.274	.0926	
.402	.1298	
.565	.0948	
.650		.1574
.750		.3937
.760	-.1918	
.808	-.0388	
.850		.1851
.857	-.1805	
.905	-.2770	
.950		-.0316
.953	-.3545	

1A70 01 T12 S1 P2-P8

WING LOWER SURFACE

(REFL 61)

MACH (4) = 1.504 ALPHA (7) = 4.754 RUN = 121.000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .2623 .5387

.020 .1659

.030 .2171

.048 .1928

.050 .1650

.085 .1476

.150 .0697

.177 .1346

.250 .1584

.274 .1433

.402 .1722

.565 .1274

.650 .1913

.750 .4265

.760 -.1759

.808 -.0201

.850 .1991

.857 -.1665

.905 -.2643

.950 -.0210

.953 -.3585

MACH (4) = 1.504 ALPHA (8) = 6.960 RUN = 121.000 RN/L = 7.422 BETA = -4.355

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1474 .5622

.020 .2985

.030 .2364

.048 .2283

.050 .2745

.085 .2079

.150 .1167

.177 .1838

.250 .2128

.274 .1762

.402 .1884

.565 .1341

.650 .2173

.750 .4595

.760 -.1724

.808 -.0103

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L61)

MACH (4) = 1.504 ALPHA (8) = 5.960

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .2168
.857 -.1624
.905 -.2559
.950 -.0036
.953 -.3237

MACH (4) = 1.504 ALPHA (9) = 9.206 RUN = 121.000 .RN/L = 7.422 BETA = -4.355

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0732 .5773
.020 .4268
.030 .2553
.048 .2495
.050 .3774
.065 .2311
.150 .1552
.177 .2009
.250 .2682
.274 .1890
.402 .1954
.565 .1381
.650 .2230
.750 .4734
.760 -.1733
.808 -.0061
.850 .2238
.857 -.1595
.905 -.2491
.950 .0096
.953 -.3135

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6600 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6600 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = -8.000 ELV-1 = 6.000
 ELV-2 = 12.000 ELV-3 = 12.000
 ELV-4 = 12.000 BDFLAP = .000
 ELV-1B = 12.000 ELV-CB = 10.000

MACH (1) = .901 ALPHA (1) = -8.225 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0496 -.3548
 .020 -.9616
 .030 -.2755
 .040 -.2101
 .050 -.9668
 .065 -.2078
 .100 -.5799
 .177 -.1666
 .250 -.9550
 .274 -.1592
 .402 -.1441
 .565 -.2357
 .650 -.1962
 .750 .0407
 .760 -.3339
 .800 -.3395
 .850 -.3271
 .857 -.4348
 .905 -.4226
 .950 -.5674
 .955 -.3945

MACH (1) = .906 ALPHA (2) = -5.998 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1110 -.1909
 .020 -.9746
 .030 -.1880
 .040 -.1350
 .050 -.9638
 .065 -.1348
 .100 -.5945
 .177 -.1129
 .250 -.2232

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (1) = .896 ALPHA (2) = -5.998

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1114
.402	-.1082
.565	-.2066
.650	-.2015
.750	.0136
.760	-.3075
.808	-.3128
.850	-.3451
.857	-.4185
.905	-.4096
.950	-.5911
.953	-.3864

MACH (1) = .897 ALPHA (3) = -3.887 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1186	-.0213
.020		-.8795
.030	-.0858	
.048	-.0587	
.050		-.7828
.085	-.0651	
.150		-.2479
.177	-.0622	
.250		-.2153
.274	-.0707	
.402	-.0768	
.565	-.1794	
.650		-.1786
.750		.0076
.760	-.2842	
.808	-.2881	
.850		-.3465
.857	-.4021	
.905	-.3957	
.950		-.5877
.953	-.3782	

1A7D O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L82)

MACH (1) = .897 ALPHA (4) = -1.692 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1149	.1289
.020		-.7719
.030	.0080	
.048	.0103	
.050		-.5088
.085	-.0019	
.150		-.1349
.177	-.0189	
.250		-.1811
.274	-.0359	
.402	-.0477	
.565	-.1542	
.650		-.1965
.750		.0077
.760	-.2625	
.808	-.2620	
.850		-.3575
.857	-.3925	
.905	-.3894	
.950		-.5589
.953	-.3808	

MACH (1) = .897 ALPHA (5) = .427 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.1018	.2616
.020		-.4393
.030	.0653	
.048	.0605	
.050		-.2246
.085	.0476	
.150		-.0862
.177	.0209	
.250		-.1263
.274	-.0008	
.402	-.0183	
.565	-.1302	
.650		-.2062
.750		-.0128
.760	-.2445	
.808	-.2372	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (1) = .897 ALPHA (5) = .427

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.830 -.3584
.857 -.3822
.905 -.3819
.950 -.5227
.953 -.3785

MACH (1) = .897 ALPHA (6) = 2.612 RUN = 91.000 RN/L = 6.067 BETA = -8.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .0546 .3465
.020 -.1568
.030 .1018
.048 .1017
.050 -.1121
.085 .0943
.150 -.0421
.177 .0652
.250 -.0712
.274 .0393
.402 .0179
.565 -.1033
.650 -.2024
.750 .0066
.760 -.2273
.808 -.2159
.850 -.3449
.857 -.3788
.905 -.3822
.950 -.5128
.953 -.3848

1A70 01 T12 S1 P2 P8 WING LOWER SURFACE (RF7L62)

MACH (1) = .898 ALPHA (7) = 4.781 RUN = 91,000 RN/L = 8.067 BETA = -8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0213	.3795
.020		.0464
.030	.1294	
.048	.1407	
.050		.0193
.085	.1398	
.150		-.0042
.177	.1090	
.250		-.0172
.274	.0772	
.402	.0491	
.565	-.0810	
.650		-.1696
.750		.0614
.760	-.2148	
.808	-.2053	
.850		-.3158
.857	-.3826	
.905	-.3904	
.950		-.5223
.953	-.3949	

MACH (1) = .899 ALPHA (8) = 6.916 RUN = 91,000 RN/L = 8.067 BETA = -8.464

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.1112	.3648
.020		.1941
.030	.1686	
.048	.1658	
.050		.1332
.085	.1025	
.150		.0313
.177	.1422	
.250		.0323
.274	.1059	
.402	.0717	
.565	-.0642	
.650		-.1110
.750		.1187
.760	-.2026	
.808	-.1939	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (1) = .899 ALPHA (8) = 6.916

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.2814

.857 -.3830

.905 -.3952

.950 -.5098

.953 -.4031

MACH (1) = .899 ALPHA (9) = 9.075 RUN = 91.000 RN/L = 6.067 BETA = -6.464

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.1568 .3347

.020 .2893

.030 .2104

.048 .2231

.050 .2094

.085 .2080

.150 .0627

.177 .1535

.250 .0795

.274 .1141

.402 .0760

.565 -.0607

.650 -.0559

.750 .1624

.760 -.1943

.808 -.1897

.850 -.2521

.857 -.3844

.905 -.4006

.950 -.4930

.953 -.4065

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (2) = 1.062 ALPHA (1) = -8.607 RUN = 90.000 RN/L = 6.756 BETA = -8.650

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0673	-.2073
.020		-.7630
.030	-.1648	
.048	-.1228	
.050		-.7709
.085	-.1263	
.150		-.5256
.177	-.1220	
.230		-.9719
.274	-.1193	
.402	-.1154	
.565	-.2315	
.650		-.3757
.750		-.0064
.760	-.4431	
.808	-.3774	
.850		-.2163
.857	-.5194	
.905	-.5554	
.950		-.4390
.953	-.6030	

MACH (2) = 1.095 ALPHA (2) = -6.377 RUN = 90.000 RN/L = 6.756 BETA = -8.650

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0948	-.0429
.020		-.7000
.030	-.0765	
.048	-.0524	
.050		-.7006
.085	-.0616	
.150		-.4499
.177	-.0637	
.230		-.6805
.274	-.0690	
.402	-.0672	
.565	-.1832	
.650		-.3402
.750		.0605
.760	-.4174	
.808	-.3284	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7LG2)

MACH (2) = 1.095 ALPHA (2) = -6.377

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.850		-.1675
.857	-.4825	
.905	-.5272	
.950		-.4181
.953	-.5855	

MACH (2) = 1.106 ALPHA (3) = -4.189 RUN = 90.000 RN/L = 6.756 BETA = -6.630

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.0981	.1249
.020		-.6607
.030	-.0054	
.048	-.0042	
.050		-.6503
.085	-.0161	
.150		-.2997
.177	-.0252	
.250		-.0983
.274	-.0305	
.402	-.0289	
.565	-.1420	
.650		-.2985
.750		.0671
.760	-.3666	
.808	-.2726	
.850		-.1408
.857	-.4370	
.905	-.4961	
.950		-.4034
.953	-.5665	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (2) = 1.115 ALPHA (4) = -1.966 RUN = 90.000 RN/L = 0.756 BETA = -8.650

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1128	.2470
.020		-.6364
.030	.0439	
.048	.0379	
.050		-.5032
.085	.0257	
.150		-.0601
.177	.0122	
.250		-.0429
.274	.0063	
.402	.0046	
.565	-.1037	
.650		-.2781
.750		.1058
.760	-.3529	
.808	-.2313	
.850		-.1330
.857	-.3952	
.905	-.4650	
.950		-.4020
.953	-.5456	

MACH (2) = 1.112 ALPHA (5) = .241 RUN = 90.000 RN/L = 0.756 BETA = -8.650

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0962	.3524
.020		-.3487
.030	.0783	
.048	.0711	
.050		-.1216
.085	.0828	
.150		-.0269
.177	.0466	
.250		.0519
.274	.0396	
.402	.0353	
.565	-.0757	
.650		-.2733
.750		.0982
.760	-.3646	
.808	-.2182	

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WING LOWER SURFACE

(RF7L62)

MACH (2) = 1.112 ALPHA (5) = .241

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1841
.857 -.3831
.903 -.4508
.950 -.4304
.953 -.5298

MACH (2) = 1.107 ALPHA (6) = 2.431 RUN = 90.000 RN/L = 6.756 BETA = -6.650

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0329 .4270
.020 -.0388
.030 .0919
.048 .0956
.050 .0290
.085 .0986
.150 .0194
.177 .0878
.250 .0644
.274 .0820
.402 .0767
.565 -.0394
.650 -.2183
.750 .0685
.760 -.3378
.808 -.1919
.850 -.2259
.857 -.3776
.903 -.4378
.950 -.4355
.953 -.5160

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (2) = 1.097 ALPHA (7) = 4.647 RUN = 90.000 RN/L = 6.756 BETA = -6.650

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0160 .4584

.020 .1554

.030 .1020

.048 .1137

.050 .1415

.085 .1241

.150 .0522

.177 .1177

.250 .1122

.274 .1106

.402 .0999

.565 -.0230

.650 -.2087

.750 .1265

.760 -.2531

.808 -.1779

.850 -.1883

.857 -.3941

.905 -.4623

.950 -.4307

.953 -.5305

MACH (2) = 1.090 ALPHA (8) = 6.846 RUN = 90.000 RN/L = 6.756 BETA = -6.650

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0628 .4714

.020 .2868

.030 .1158

.048 .1339

.050 .2380

.085 .1492

.150 .0776

.177 .1435

.250 .1549

.274 .1327

.402 .1174

.565 -.0113

.650 -.2129

.750 .1887

.760 -.2069

.905 -.1700

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WING LOWER SURFACE

(RF7L62)

MACH (2) = 1.090 ALPHA (8) = 8.846

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 -.1397
.857 -.4030
.905 -.4788
.950 -.4176
.953 -.5406

MACH (2) = 1.080 ALPHA (9) = 9.030 RUN = 90.000 RN/L = 6.756 BETA = -0.650

SECTION (1)WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0753 .4679
.020 .3776
.030 .1315
.048 .1481
.050 .3102
.085 .1607
.150 .0988
.177 .1486
.250 .1933
.274 .1348
.402 .1163
.565 -.0160
.650 -.2000
.750 .2285
.760 -.1973
.808 -.1720
.850 -.1079
.857 -.4215
.905 -.4991
.950 -.4014
.953 -.5405

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (3) = 1.191 ALPHA (1) = -8.561 RUN = 82,000 RN/L = 7,100 BETA = -8.670

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zr/B .4360 .7710

X/C

.000 .0316 -.0973

.020 -.7002

.030 -.1645

.040 -.1244

.050 -.6969

.060 -.0871

.100 -.4484

.177 -.1092

.250 -.7811

.274 -.1147

.402 -.0994

.565 -.1864

.650 -.2642

.750 -.0089

.760 -.4777

.800 -.3701

.850 -.1697

.857 -.1603

.905 -.4684

.950 -.3380

.953 -.5193

MACH (3) = 1.202 ALPHA (2) = -6.341 RUN = 82,000 RN/L = 7,100 BETA = -8.670

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zr/B .4360 .7710

X/C

.000 .1077 .0189

.020 -.6486

.030 -.1140

.040 -.0798

.050 -.6422

.060 -.0656

.100 -.3982

.177 -.0681

.250 -.6186

.274 -.0767

.402 -.0658

.565 -.1563

.650 -.2371

.750 .0763

.760 -.4580

.800 -.3415

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WING LOWER SURFACE

(RF7L62)

MACH (3) = 1.202 ALPHA (2) = -6.341

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850		-.1246
.857	-.3980	
.905	-.4289	
.950		-.3291
.953	-.4907	

MACH (3) = 1.210 ALPHA (3) = -4.123 RUN = 82.000 RN/L = 7.100 BETA = -8.870

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0842	.1450
.020		-.6321
.030	-.0210	
.048	-.0189	
.050		-.6114
.085	-.0290	
.150		-.3145
.177	-.0329	
.250		-.1189
.274	-.0363	
.402	-.0288	
.365	-.1172	
.650		-.2180
.750		.1250
.760	-.4432	
.808	-.3126	
.850		-.0868
.857	-.3592	
.905	-.3923	
.950		-.3193
.953	-.4615	

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (3) = 1.215 ALPHA (4) = -1.890 RUN = 82.000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1098	.2599
.020		-.5738
.030	.0357	
.048	.0278	
.050		-.5143
.085	.0144	
.150		-.1057
.177	.0047	
.250		-.0698
.274	.0043	
.402	.0074	
.565	-.0823	
.650		-.1942
.750		.1274
.760	-.4210	
.808	-.2761	
.850		-.0795
.857	-.3349	
.905	-.3767	
.950		-.3295
.953	-.4490	

MACH (3) = 1.211 ALPHA (5) = .328 RUN = 82.000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.1013	.3496
.020		-.4140
.030	.0745	
.048	.0660	
.050		-.2014
.085	.0572	
.150		-.0416
.177	.0432	
.250		-.0198
.274	.0418	
.402	.0427	
.565	-.0475	
.650		-.1860
.750		.1443
.760	-.4079	
.808	-.2490	

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (3) = 1.211 ALPHA (5) = .328

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

RY/B .4380 .7710

X/C

.850 -.1193
.857 -.3540
.905 -.3524
.950 -.3604
.953 -.4193

MACH (3) = 1.205 ALPHA (6) = 2.572 RUN = 82.000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

RY/B .4380 .7710

X/C

.000 .0559 .4159
.020 -.0953
.030 .0980
.048 .0973
.050 .0084
.085 .0976
.150 .0069
.177 .0882
.250 .0716
.274 .0854
.402 .0847
.565 -.0091
.650 -.1483
.750 .1297
.760 -.3813
.808 -.1974
.850 -.1439
.857 -.3519
.905 -.3570
.950 -.3589
.953 -.4071

1A70 O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L62)

MACH (3) = 1.198 ALPHA (7) = 4.739 RUN = 82,000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0136	.4517
.020		.1186
.030	.1202	
.048	.1293	
.050		.1419
.065	.1375	
.150		.0511
.177	.1263	
.250		.1536
.274	.1239	
.402	.1196	
.565	.0201	
.650		-.1264
.750		.2043
.760	-.3267	
.808	-.1552	
.850		-.0963
.857	-.3382	
.905	-.3852	
.950		-.3345
.953	-.4201	

MACH (3) = 1.190 ALPHA (8) = 6.963 RUN = 82,000 RN/L = 7.100 BETA = -8.670

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0221	.4718
.020		.2991
.030	.1503	
.048	.1667	
.050		.2647
.065	.1804	
.150		.0965
.177	.1712	
.250		.2101
.274	.1802	
.402	.1503	
.565	.0401	
.650		-.1086
.750		.2655
.760	-.2970	
.808	-.1203	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (3) = 1.190 ALPHA (8) = 6.963

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.0324
.857 -.3254
.905 -.3908
.950 -.3147
.953 -.4349

MACH (3) = 1.177 ALPHA (9) = 9.129 RUN = 82.000 .RN/L = 7.100 BETA = -6.670

SECTION (1)WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 -.0499 .4804
.020 .4001
.030 .1534
.048 .1717
.050 .3348
.063 .1864
.150 .1071
.177 .1793
.250 .2380
.274 .1687
.402 .1560
.565 .0380
.650 -.0875
.750 .3018
.760 -.2548
.808 -.1080
.850 -.0300
.857 -.3297
.905 -.4095
.950 -.2953
.953 -.4735

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (4) = 1.504 ALPHA (1) = -8.710 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0546	.0120
.020		-.4955
.030	-.1605	
.048	-.1198	
.050		-.4961
.085	-.1345	
.150		-.2795
.177	-.0965	
.250		-.4945
.274	-.0936	
.402	-.0649	
.565	-.1164	
.650		-.1603
.750		.0039
.760	-.2959	
.808	-.2072	
.850		-.0971
.857	-.3193	
.905	-.3954	
.950		-.2372
.953	-.4432	

MACH (4) = 1.504 ALPHA (2) = -6.449 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0365	.0679
.020		-.4388
.030	-.1302	
.048	-.1061	
.050		-.4289
.085	-.1111	
.150		-.2485
.177	-.0658	
.250		-.4420
.274	-.0854	
.402	-.0527	
.565	-.1019	
.650		-.1576
.750		.0302
.760	-.2893	
.808	-.1947	

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (4) = 1.504 ALPHA (2) = -6.449

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.830	-0.0905
.857	-0.3098
.905	-0.3863
.950	-0.2338
.953	-0.4264

MACH (4) = 1.504 ALPHA (3) = -4.220 RUN = 122.000 RN/L = 7.422 BETA = -6.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0168	.1885
.020		-0.4342
.030	-0.0364	
.048	-0.0416	
.050		-0.4265
.085	-0.0383	
.150		-0.1916
.177	-0.0453	
.250		-0.2256
.274	-0.0433	
.402	-0.0242	
.565	-0.0767	
.650		-0.1377
.750		0.0599
.760	-0.2867	
.808	-0.1830	
.850		-0.0776
.857	-0.2989	
.905	-0.3789	
.950		-0.2283
.953	-0.4286	

1A7D O1 T12 S1 P2 P8 WING LOWER SURFACE (RF7L62)

MACH (4) = 1.504 ALPHA (4) = -1.969 RUN = 122.000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0575	.2020
.020		-.4113
.030	.0265	
.040	.0190	
.050		-.3816
.065	.0135	
.150		-.0865
.177	-.0045	
.250		-.0519
.274	-.0075	
.402	.0105	
.565	-.0417	
.650		-.1178
.750		.0934
.760	-.2783	
.808	-.1595	
.850		-.0569
.857	-.2813	
.905	-.3644	
.950		-.2082
.953	-.4188	

MACH (4) = 1.504 ALPHA (5) = .303 RUN = 122.000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0671	.3685
.020		-.3028
.030	.0599	
.040	.0550	
.050		-.2470
.065	.0515	
.150		-.0173
.177	.0379	
.250		.0166
.274	.0365	
.402	.0333	
.565	-.0009	
.650		-.0781
.750		.1476
.760	-.2578	
.808	-.1256	

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1A7D 01 T12 S1 P2-P6

WING LOWER SURFACE

(RF7L62)

MACH (4) = 1.504 ALPHA (5) = .303

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.650 -.0112
.857 -.2521
.903 -.3409
.950 -.1788
.953 -.4018

MACH (4) = 1.504 ALPHA (6) = 2.522 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0508 .4248
.020 -.0904
.030 .0910
.048 .0916
.050 -.0130
.085 .0955
.150 .0310
.177 .0884
.250 .0796
.274 .0874
.402 .1027
.565 .0413
.650 -.0156
.750 .1971
.760 -.2353
.808 -.0879
.850 .0069
.857 -.2200
.905 -.3205
.950 -.1662
.953 -.3904

IA70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L62)

MACH (4) = 1.504 ALPHA (7) = 4.766 RUN = 122.000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0188	.4641
.020		.0927
.030	.1225	
.048	.1326	
.050		.1216
.065	.1447	
.150		.0678
.177	.1419	
.250		.1330
.274	.1381	
.402	.1453	
.565	.0663	
.650		.0372
.750		.2669
.760	-.2208	
.808	-.0626	
.850		.0628
.857	-.1972	
.905	-.3024	
.950		-.1250
.953	-.3774	

MACH (4) = 1.504 ALPHA (8) = 7.016 RUN = 122.000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	-.0106	.4729
.020		.2513
.030	.1467	
.048	.1612	
.050		.2444
.065	.1750	
.150		.1049
.177	.1782	
.250		.1830
.274	.1735	
.402	.1767	
.565	.0860	
.650		.0935
.750		.3291
.760	-.2067	
.808	-.0337	

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL62)

MACH (4) = 1.504 ALPHA (8) = 7.016

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.850 .1050
.857 -.1745
.905 -.2839
.950 -.0937
.953 -.3591

MACH (4) = 1.504 ALPHA (9) = 9.244 RUN = 122,000 RN/L = 7.422 BETA = -8.712

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 -.0294 .5024
.020 .3498
.030 .1509
.048 .1649
.050 .3198
.085 .1772
.150 .1308
.177 .1826
.250 .2167
.274 .1811
.402 .1805
.565 .0814
.650 .1881
.750 .3967
.760 -.1935
.808 -.0174
.850 .1557
.857 -.1623
.905 -.2723
.950 -.0547
.953 -.3383

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L63) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2890.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 0.000 ELV-1 = -4.000
 ELV-2 = .000 ELV-3 = -4.000
 ELV-4 = -4.000 BDFLAP = .000
 ELV-1B = -2.000 ELV-CB = -4.000

MACH (1) = 1.504 ALPHA (1) = -9.008 RUN = 107.000 RN/L = 7.556 BETA = 6.708

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3686 .6070
 .020 -.4095
 .030 -.0570
 .048 -.0642
 .050 -.4430
 .085 -.1285
 .150 -.2165
 .177 -.1081
 .250 -.3746
 .274 -.1108
 .402 .0494
 .565 .2061
 .650 -.1449
 .750 -.1218
 .760 .0454
 .808 -.2067
 .850 -.0823
 .857 -.3006
 .905 -.3950
 .950 -.1735
 .953 -.4521

MACH (1) = 1.504 ALPHA (2) = -6.723 RUN = 107.000 RN/L = 7.556 BETA = 6.708

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .4044 .6494
 .020 -.3682
 .030 -.0101
 .048 -.0266
 .050 -.3937
 .085 -.0974
 .150 -.1875
 .177 -.0931
 .250 -.3213

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L63)

MACH (1) = 1.504 ALPHA (2) = -6.723

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.1042
.402	.0425
.565	.2331
.650	-.0439
.750	-.0693
.760	.0547
.808	-.2006
.850	-.0961
.857	-.2925
.905	-.3876
.950	-.1904
.953	-.4471

MACH (1) = 1.504 ALPHA (3) = -4.469 RUN = 107.000 RM/L = 7.556 BETA = 6.708

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4863	.6945
.020		-.3028
.030	.0415	
.048	.0137	
.050		-.3279
.065	-.0506	
.150		-.1551
.177	-.0774	
.250		-.2583
.274	-.0863	
.402	.0566	
.565	.2887	
.650		.0727
.750		-.0158
.760	.0627	
.808	-.1974	
.850		-.0956
.857	-.2857	
.905	-.3829	
.950		-.2017
.953	-.4432	

1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L63)

MACH (1) = 1.904 ALPHA (4) = -2.245 RUN = 107.000 RN/L = 7.556 BETA = 6.706

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000 .4069 .7352

.020 -.2340

.030 .0021

.040 .0466

.050 -.2570

.065 .0720

.100 -.1115

.177 -.0514

.250 -.1553

.274 -.0662

.402 .0766

.565 .3666

.650 .1973

.750 .0436

.760 .0795

.800 -.1669

.850 -.0607

.857 -.2746

.905 -.3746

.950 -.2041

.955 -.4360

MACH (1) = 1.904 ALPHA (5) = .000 RUN = 107.000 RN/L = 7.556 BETA = 6.706

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000 .5029 .7726

.020 -.1471

.030 .1347

.040 .1131

.050 .1146

.065 .1000

.100 -.0361

.177 .0493

.250 -.0451

.274 .0153

.402 .1317

.565 .5026

.650 .3207

.750 .0520

.760 .0964

.800 -.1773

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1A70 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L63)

MACH (1) = 1.504 ALPHA (5) = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.030		-.0078
.057	-.2048	
.905	-.3076	
.950		-.2171
.953	-.4294	

MACH (1) = 1.504 ALPHA (6) = 2.244 RUN = 107,000 RN/L = 7.536 BETA = 0.706

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.5242	.8046
.020		-.0189
.030	.2446	
.040	.2299	
.050		.0050
.065	.1206	
.150		.0397
.177	.1160	
.250		.0675
.274	.1051	
.402	.2048	
.565	.5727	
.650		.3387
.750		.0503
.760	.1175	
.808	-.1653	
.850		-.1006
.857	-.2518	
.905	-.3591	
.950		-.2200
.953	-.4211	

1A70 Q1 T12 S1 P2 P8 WING LOWER SURFACE (RFTL63)

MACH (1) = 1.504 ALPHA (7) = 4.488 RUN = 107,000 RN/L = 7.556 BETA = 8.708

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .5548 .8431

.020 .1918

.030 .3243

.048 .2752

.050 .2100

.085 .1713

.150 .0839

.177 .1570

.250 .2223

.274 .1549

.402 .2974

.565 .6153

.650 .3304

.750 .0471

.760 .1374

.808 -.1513

.850 -.1039

.857 -.2387

.905 -.3479

.950 -.2228

.953 -.4102

MACH (1) = 1.504 ALPHA (8) = 6.725 RUN = 107,000 RN/L = 7.556 BETA = 8.708

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .5810 .8743

.020 .4160

.030 .3760

.048 .3271

.050 .3849

.085 .2248

.150 .2264

.177 .2096

.250 .3860

.274 .4143

.402 .4873

.565 .6098

.650 .3086

.750 .0352

.760 .1314

.808 -.1387

DATE 06 NOV 74

TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L63)

MACH (1) = 1.504 ALPHA (8) = 6.725

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.630 -.1124
.637 -.2428
.905 -.3492
.950 -.2301
.953 -.4101

MACH (1) = 1.504 ALPHA (9) = 8.983 RUN = 107.000 RN/L = 7.556 BETA / = 6.708

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .6370 .6757
.020 .6864
.030 .4402
.048 .4010
.050 .6085
.085 .3171
.150 .2967
.177 .3556
.250 .5555
.274 .3299
.402 .4552
.565 .5317
.650 .2810
.750 .0117
.760 .1040
.808 -.1713
.850 -.1214
.857 -.2484
.905 -.3456
.950 -.2352
.953 -.3982

1A70 01 T12 S1 P2 P8 - WING LOWER SURFACE

(RF7L64) (25 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELV-1 = -4.000
ELV-2 = .000 ELV-3 = -4.000
ELV-4 = -4.000 BDFLAP = .000
ELV-1B = -2.000 ELV-CB = -4.000

MACH (1) = 1.504 ALPHA (1) = -8.932 RUN = 106,000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1360 .2867
.020 -.4975
.030 -.2703
.048 -.1909
.050 -.3282
.085 -.1999
.150 -.2724
.177 -.1836
.250 -.4892
.274 -.1151
.402 -.0211
.565 .0301
.650 -.2248
.750 -.1144
.760 -.1437
.808 -.3436
.850 -.2370
.857 -.3937
.905 -.4635
.950 -.2989
.953 -.4956

MACH (1) = 1.504 ALPHA (2) = -6.675 RUN = 106,000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1778 .3436
.020 -.4781
.030 -.1713
.048 -.1414
.050 -.5104
.065 -.1709
.130 -.2580
.177 -.1658
.250 -.4579

DATE 08 NOV 74

TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L64)

MACH (1) = 1.504 ALPHA (2) = -6.675

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.274	-.0950
.402	.0144
.565	.0437
.650	-.0046
.750	-.1081
.760	-.1417
.808	-.3469
.850	-.2126
.857	-.3954
.905	-.4635
.950	-.2830
.953	-.4978

MACH (1) = 1.504 ALPHA (3) = -4.480 RUN = 106,000 RN/L = 7,600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.2290	.4008
.020		-.4392
.030	-.0612	
.046	-.0865	
.050		-.4649
.085	-.1281	
.150		-.2291
.177	-.1382	
.250		-.3966
.274	-.0567	
.402	.0458	
.565	.0678	
.650		.1297
.750		-.0558
.760	-.1352	
.808	-.3430	
.850		-.1756
.857	-.3887	
.905	-.4562	
.950		-.2745
.953	-.4917	

1A70 01 T12 S1 P2 P6

WING LOWER SURFACE

(RF7L64)

MACH (1) = 1.504 ALPHA (4) = -2.201 RUN = 106,000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.2074	.4981
.020		-.3461
.030	-.0218	
.048	-.0380	
.050		-.3642
.085	-.0845	
.150		-.1648
.177	-.0391	
.250		-.2236
.274	.0345	
.402	.1359	
.565	.1167	
.650		.1822
.750		-.0264
.760	-.1148	
.808	-.3247	
.850		-.1619
.857	-.3704	
.905	-.4410	
.950		-.2735
.953	-.4615	

MACH (1) = 1.504 ALPHA (5) = .025 RUN = 106,000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3278	.5578
.020		-.2459
.030	.0705	
.048	.0626	
.050		-.2474
.085	.0194	
.150		-.0456
.177	.0429	
.250		.0825
.274	.1056	
.402	.1750	
.565	.1503	
.650		.2460
.750		-.0049
.760	-.0837	
.808	-.3025	

DATE 06 NOV 74

TABULATED PRESSURE DATA - 1A70

PAGE 999

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L64)

MACH (1) = 1.504 ALPHA (3) = .025

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 .1487

.857 -.3546

.905 -.4324

.950 -.2666

.953 -.4762

MACH (1) = 1.504 ALPHA (6) = 2.266 RUN = 106.000 RIN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3580 .6063

.020 -.0920

.030 .1740

.040 .1613

.050 -.0072

.065 .0965

.150 .0547

.177 .1213

.250 .1148

.274 .1624

.402 .2065

.565 .1860

.650 .2953

.750 .0116

.780 -.0437

.808 -.2750

.850 -.1411

.857 -.3358

.905 -.4203

.950 -.2637

.953 -.4697

1A70 O1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL64)

MACH (1) = 1.504 ALPHA (7) = 4.489 RUN = 106.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .3226 .6456

.020 .2090

.030 .2774

.046 .2478

.050 .2127

.085 .1821

.150 .1022

.177 .2103

.250 .1946

.274 .2044

.402 .2256

.565 .2301

.650 .2869

.750 .0030

.760 -.0333

.808 -.2699

.850 -.1497

.857 -.3327

.905 -.4174

.950 -.2710

.955 -.4691

MACH (1) = 1.504 ALPHA (6) = 6.735 RUN = 106.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

.000 .3250 .6592

.020 .3855

.030 .3600

.046 .3257

.050 .3484

.085 .2970

.150 .1436

.177 .2461

.250 .2603

.274 .2224

.402 .2477

.565 .2616

.650 .2645

.750 -.0097

.760 -.0420

.808 -.2769

DATE 06 NOV 74

TABULATED PRESSURE DATA - 1A70

PAGE 1001

1A70 '01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L64)

MACH (1) = 1.504 ALPHA (8) = 6.735

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850 -.1575
.857 -.3370
.905 -.4172
.950 -.2775
.953 -.4678

MACH (1) = 1.504 ALPHA (9) = 8.947 RUN = 106.000 RN/L = 7.600 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3186 .6678
.020 .5204
.030 .3769
.046 .3507
.050 .4490
.085 .2781
.150 .1658
.177 .2611
.250 .3135
.274 .2237
.402 .2580
.565 .2557
.650 .2288
.750 -.0362
.760 -.0685
.808 -.2919
.850 -.1708
.857 -.3465
.905 -.4202
.950 -.2891
.953 -.4684

1A7D O1 T12 S4 P2 P8

WING LOWER SURFACE

(RF7L63) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = -6.000 ELV-1 = -4.000
 ELV-2 = .000 ELV-3 = -4.000
 ELV-4 = -4.000 BDFLAP = .000
 ELV-18 = -2.000 ELV-CB = -4.000

MACH (1) = 1.504 ALPHA (1) = -9.000 RUN = 105.000 RN/L = 7.589 BETA = -6.707

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0530 .0119
 .020 -.4931
 .030 -.1640
 .040 -.1197
 .050 -.4928
 .065 -.1350
 .150 -.2769
 .177 -.0968
 .250 -.4929
 .274 -.0951
 .402 -.0650
 .565 -.1141
 .650 -.1725
 .750 -.2799
 .760 -.3100
 .808 -.3976
 .850 -.3743
 .857 -.4716
 .905 -.4994
 .950 -.4201
 .953 -.3687

MACH (1) = 1.504 ALPHA (2) = -6.715 RUN = 105.000 RN/L = 7.589 BETA = -6.707

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0352 .0382
 .020 -.4440
 .030 -.1304
 .040 -.1035
 .050 -.4317
 .065 -.1123
 .150 -.2474
 .177 -.0855
 .250 -.4414

DATE 08 NOV 74

TABULATED PRESSURE DATA - 1A70

PAGE 1003

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RFTL65)

MACH (1) = 1.504 ALPHA (2) = -6.715

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.0862
.402	-.0540
.565	-.1035
.650	-.1580
.750	-.2881
.780	-.3021
.808	-.4534
.850	-.3763
.857	-.4683
.905	-.4808
.950	-.4226
.953	-.3744

MACH (1) = 1.504 ALPHA (3) = -4.435 RUN = 105,000 RN/L = 7.589 BETA = -8.707

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.0167	.1862
.020		-.4335
.030	-.0409	
.046	-.0486	
.050		-.4252
.065	-.0366	
.150		-.1904
.177	-.0468	
.250		-.2278
.274	-.0451	
.402	-.0247	
.565	-.0780	
.650		-.1374
.750		-.2804
.780	-.2962	
.808	-.4484	
.850		-.3709
.857	-.4650	
.905	-.4661	
.950		-.4150
.953	-.3682	

1A70 OI T12 S1 P2 P8

WING LOWER SURFACE

(RF7L65)

MACH (1) = 1.504 ALPHA (4) = -2.242 RUN = 105,000 RM/L = 7.589 BETA = -8.707

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0586	.2803
.020		-.4107
.030	.0248	
.048	.0175	
.050		-.3819
.085	.0113	
.150		-.0877
.177	-.0038	
.250		-.0546-
.274	-.0101	
.402	.0097	
.565	-.0438	
.650		-.1185
.750		-.2683
.760	-.2866	
.808	-.4397	
.850		-.3568
.857	-.4580	
.905	-.4484	
.990		-.4013
.983	-.3548	

MACH (1) = 1.504 ALPHA (5) = .017 RUN = 105,000 RM/L = 7.589 BETA = -8.707

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.0892	.3651
.020		-.3051
.030	.0615	
.048	.0584	
.050		-.2916
.085	.0530	
.150		-.0189
.177	.0368	
.250		.0168
.274	.0337	
.402	.0517	
.565	-.0038	
.650		-.0792
.750		-.2356
.760	-.2880	
.808	-.4252	

DATE 08 NOV 74

TABULATED PRESSURE DATA - 1A7D

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L65)

MACH (1) = 1.504 ALPHA (5) = .017

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.050 .3248
.057 -.4473
.065 -.4656
.950 -.3609
.953 -.3465

MACH (1) = 1.504 ALPHA (6) = 2.285 RUN = 105,000 RN/L = 7.589 BETA = -8.707

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .0534 .4259
.020 -.0924
.030 .0930
.048 .0939
.050 -.0137
.085 .0975
.150 .0306
.177 .0883
.250 .0801
.274 .0859
.402 .1025
.565 .0394
.650 -.0198
.750 -.2036
.760 -.2453
.808 -.4091
.850 -.3037
.857 -.4334
.905 -.4760
.950 -.3698
.953 -.3517

1A70 Q1 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L65)

MACH (1) = 1.504 ALPHA (7) = 4.522 RUN = 105,000 RN/L = 7,589 BETA = -0.707

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.0240	.4650
.020		.0902
.030	.1225	
.048	.1318	
.050		.1199
.085	.1437	
.150		.0679
.177	.1412	
.250		.1349
.274	.1354	
.402	.1454	
.565	.0649	
.650		.0297
.750		-.1679
.760	-.2316	
.808	-.3960	
.850		-.2767
.857	-.4227	
.905	-.4697	
.950		-.3559
.953	-.3447	

MACH (1) = 1.504 ALPHA (8) = 6.757 RUN = 105,000 RN/L = 7,589 BETA = -0.707

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	-.0059	.4745
.020		.2494
.030	.1470	
.048	.1610	
.050		.2420
.085	.1741	
.150		.1050
.177	.1757	
.250		.1625
.274	.1720	
.402	.1769	
.565	.0845	
.650		.0803
.750		-.1380
.760	-.2212	
.808	-.3854	

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1A7D 01 T12 S1 P2 P8

WING LOWER SURFACE

(RF7L65)

MACH (1) = 1.504 ALPHA (8) = 6.757

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z_Y/B .4360 .7710

X/C

.850		-.2530
.857	-.4132	
.905	-.4391	
.950		-.3378
.953	-.3267	

MACH (1) = 1.504 ALPHA (9) = 9.011 RUN = 105,000 RN/L = 7.309 BETA = -8.707

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z_Y/B .4360 .7710

X/C

.000	-.0224	.5032
.020		.3490
.030	.1542	
.048	.1673	
.050		.3150
.085	.1777	
.150		.1317
.177	.1814	
.250		.2164
.274	.1804	
.402	.1023	
.565	.0812	
.650		.1836
.750		-.1000
.760	-.2180	
.808	-.3756	
.850		-.2356
.857	-.3982	
.905	-.4401	
.950		-.3373
.953	-.3083	

1A70 01 T12 S1 P2 P9

WING LOWER SURFACE

(RF7L66) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = 8.000
 ELV-2 = 8.000 ELV-3 = 8.000
 ELV-4 = 8.000 BDFLAP = .000
 ELV-18 = 8.000 ELV-CB = 8.000

MACH (1) = 1.200 ALPHA (1) = -8.564 RUN = 127.000 RW/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000 .1178 .1790
 .020 . .6129
 .030 -.2708
 .048 -.2149
 .050 . .8466
 .065 -.2182
 .180 .4528
 .177 -.1858
 .250 -.5753
 .274 -.1816
 .402 -.2200
 .565 -.0390
 .650 .0584
 .750 .1178
 .760 -.3140
 .808 -.2736
 .850 -.1080
 .857 -.4365
 .905 -.5633
 .950 -.3233
 .955 -.6672

MACH (1) = 1.211 ALPHA (2) = -8.395 RUN = 127.000 RW/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

.000 .1936 .2943
 .020 .7544
 .030 -.1595
 .040 -.1365
 .050 .7858
 .065 -.1601
 .180 .3968
 .177 -.0902
 .250 .4263

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P9

WING LOWER SURFACE

(RF7L66)

MACH (1) = 1.211 ALPHA (2) = -6.395

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.274	-.1076
.402	-.1158
.563	.0046
.630	-.0086
.750	.1497
.760	-.2869
.808	-.2412
.850	-.0796
.857	-.4114
.903	-.5426
.950	-.3022
.953	-.6459

MACH (1) = 1.216 ALPHA (3) = -4.284 RUN = 127.000 RV/L = .7100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3308	.3705
.020		-.6796
.030	-.0139	
.046	-.0263	
.050		-.6932
.083	-.0801	
.130		-.3311
.177	-.0694	
.250		-.2334
.274	-.0602	
.402	-.0334	
.563	.0693	
.630		.0224
.750		.1727
.760	-.2619	
.808	-.2138	
.850		-.0609
.857	-.3910	
.903	-.3223	
.950		-.2636
.953	-.6260	

1A70 Q1 T12 S1 P2 P9 WING LOWER SURFACE (RF7L66)

MACH (1) = 1.222 ALPHA (4) = -2.073 RUN = 127,000 RN/L = 7,100 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3662	.4560
.020		-.5659
.030	.0680	
.048	.0381	
.050		-.5552
.065	-.0123	
.150		-.1297
.177	-.0010	
.250		-.1690
.274	-.0140	
.402	.0250	
.565	.1485	
.650		.0431
.750		.1872
.760	-.2329	
.806	-.1854	
.850		-.0558
.857	-.3691	
.905	-.5050	
.950		-.2816
.953	-.6102	

MACH (1) = 1.225 ALPHA (5) = .126 RUN = 127,000 RN/L = 7,100 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3999	-.5264
.020		-.4027
.030	.1471	
.048	.1372	
.050		-.2896
.065	.0670	
.150		-.0699
.177	.0399	
.250		-.0574
.274	.0247	
.402	.0896	
.565	.1932	
.650		.0414
.750		.1967
.760	-.2060	
.806	-.1537	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P9

WING LOWER SURFACE

(RFTL66)

MACH (1) = 1.225 ALPHA (5) = .128

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.050	-.0818
.057	-.3498
.905	-.4919
.950	-.2874
.953	-.5992

MACH (1) = 1.218 ALPHA (6) = 2.342 RUN = 127.000 RN/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4081	.5796
.020		-.0951
.030	.2273	
.048	.2012	
.050		-.0406
.065	.1136	
.150		-.0064
.177	.1086	
.250		.2480
.274	.0855	
.402	.1196	
.565	.2177	
.650		.0183
.750		.1913
.760	-.1991	
.808	-.1493	
.850		-.0704
.857	-.3554	
.905	-.5042	
.950		-.2935
.953	-.6121	

1A70 Q1 T12 S1 P2 P9 WING LOWER SURFACE (RF7L66)

MACH (1) = 1.210 ALPHA (7) = 4.522 RUN = 127.000 RN/L = 7.100 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3697 .5943

.020 .1765

.030 .3231

.040 .2635

.050 .1613

.065 .1613

.100 .1429

.177 .1380

.250 .2751

.274 .1208

.402 .1770

.565 .2090

.650 .0126

.750 .1909

.760 -.2153

.808 -.1642

.850 -.0768

.857 -.3692

.905 -.5168

.950 -.2999

.993 -.6258

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TABULATED PRESSURE DATA - 1A70

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1A70 01 T12 S1 P2 P9

WING LOWER SURFACE

(RF7L67) (25 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = 1.195 ALPHA (1) = -8.786 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .1289 .1712
 .020 - .8269
 .030 -.2815
 .048 -.2255
 .050 -.8588
 .065 -.2284
 .150 -.4593
 .177 -.1862
 .250 -.5823
 .274 -.1837
 .402 -.2096
 .565 -.0455
 .650 -.0675
 .750 -.1818
 .760 -.3353
 .808 -.5068
 .850 -.3165
 .857 -.6101
 .905 -.6990
 .950 -.4804
 .953 -.6853

MACH (1) = 1.207 ALPHA (2) = -8.546 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .2147 .2895
 .020 -.7832
 .030 -.1625
 .048 -.1480
 .050 -.7958
 .065 -.1625
 .150 -.4081
 .177 -.0872
 .250 -.4251

1A7D O1 T12 S1 P2 P9

WING LOWER SURFACE

(RF7L57)

MACH (1) = 1.207 ALPHA (2) = -6.546

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.1119
.402	-.1276
.565	.0121
.650	-.0230
.750	-.1495
.760	-.3064
.808	-.4788
.850	-.3141
.857	-.5849
.905	-.6762
.950	-.4576
.953	-.6779

MACH (1) = 1.215 ALPHA (3) = -4.333 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3300	.3722
.020		-.6852
.030	-.0269	
.046	-.0352	
.050		-.6988
.085	-.0891	
.150		-.3284
.177	-.0672	
.250		-.2305
.274	-.0546	
.402	-.0580	
.565	.0777	
.650		.0214
.750		.1203
.760	-.2638	
.808	-.4566	
.850		-.2977
.857	-.5665	
.905	-.6586	
.950		-.4474
.953	-.6688	

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TABULATED PRESSURE DATA - 1A70

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1A70 Q1 T12 S1 P2 P9 WING LOWER SURFACE (RF7L67)
 MACH (1) = 1.219 ALPHA (4) = -2.122 RUN = 146,000 RN/L = 7.156 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3766 .4565
 .020 -.5657
 .030 .0865
 .046 .0577
 .050 -.5474
 .065 -.0231
 .150 -.1277
 .177 .0074
 .250 -.1708
 .274 -.0133
 .402 .0213
 .565 .1569
 .650 .0463
 .750 -.1086
 .760 -.2564
 .808 -.4354
 .850 -.2937
 .857 -.5513
 .905 -.6461
 .950 -.4501
 .953 -.7088

MACH (1) = 1.222 ALPHA (5) = .089 RUN = 146,000 RN/L = 7.156 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000 .3938 .5252
 .020 -.3932
 .030 .1326
 .046 .1370
 .050 -.2760
 .065 .0550
 .150 -.0709
 .177 .0718
 .250 -.0585
 .274 .0340
 .402 .0854
 .565 .1938
 .650 .0438
 .750 -.1084
 .760 -.2292
 .808 -.4091

1A70 01 T12 S1 P2 P9

WING LOWER SURFACE

(RF7L67)

MACH (1) = 1.222 ALPHA (3) = .089

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.850	-.2993
.857	-.5355
.905	-.6351
.950	-.4548
.953	-.7042

MACH (1) = 1.215 ALPHA (6) = 2.297 RUN = 146,000 - / RN/L = 7.156 - BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.4012	.5751
.020		-.0953
.030	.2160	
.048	.1917	
.050		-.0399
.085	.1085	
.150		-.0068
.177	.1174	
.250		.2642
.274	.0826	
.402	.1182	
.565	.2159	
.650		.0229
.750		-.1205
.760	-.2253	
.808	-.4115	
.850		-.3080
.857	-.5438	
.905	-.6475	
.950		-.4640
.953	-.7188	

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TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P9 WING LOWER SURFACE (RF7L67)

MACH (1) = 1.206 ALPHA (7) = 4.494 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3736	.5900
.020		.1954
.030	.3140	
.040	.2783	
.050		.1743
.065	.1827	
.150		.1377
.177	.1351	
.250		.2757
.274	.1252	
.402	.1785	
.565	.2096	
.650		.0217
.750		-.1241
.760	-.2407	
.808	-.4219	
.850		-.3183
.857	-.5572	
.905	-.6598	
.950		-.4747
.953	-.7138	

MACH (1) = 1.198 ALPHA (8) = 6.704 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3192	.6142
.020		.4169
.030	.3638	
.040	.3278	
.050		.3637
.065	.2477	
.150		.1584
.177	.1803	
.250		.3149
.274	.1698	
.402	.2090	
.565	.2035	
.650		.0247
.750		-.1246
.760	-.2499	
.808	-.4311	

1A70 O1 T12 S1 P2 P9

WING LOWER SURFACE

(RF7L67)

MACH (1) = 1.100 ALPHA (0) = 6.704

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.030 -.3216

.057 -.5633

.095 -.6639

.950 -.4761

.953 -.5765

MACH (1) = 1.100 ALPHA (9) = 6.907 RUN = 146.000 RN/L = 7.156 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Z/Y/B .4360 .7710

X/C

.000 .2088 .6052

.020 .5465

.030 .3602

.048 .3280

.050 .4703

.085 .2654

.150 .1823

.177 .2039

.250 .3479

.274 .1820

.402 .1933

.565 .1630

.650 .0236

.750 -.1309

.760 -.2762

.808 -.4319

.850 -.3286

.867 -.5761

.905 -.6712

.950 -.4797

.953 -.4751

DATE 08 NOV 74

TABULATED PRESSURE DATA - 1A70

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1A70 O1 T12 S1 P2 P10

WING LOWER SURFACE

(RF7L66) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.6100 IN. YMRP = .0000 IN. YO
 SREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 ELV-1 = .000
 ELV-2 = .000 ELV-3 = .000
 ELV-4 = .000 BDFLAP = .000
 ELV-1B = .000 ELV-CB = .000

MACH (1) = 1.199 ALPHA (1) = -8.826 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .1392 .1740
 .020 - .8235
 .030 -.2751
 .040 -.1993
 .050 -.6309
 .065 -.2134
 .150 -.4264
 .177 -.1489
 .250 -.5697
 .274 -.1429
 .402 -.1347
 .565 -.0241
 .650 -.0689
 .750 -.1945
 .760 -.3520
 .806 -.5169
 .850 -.3501
 .857 -.6146
 .905 -.6970
 .950 -.4756
 .953 -.5469

MACH (1) = 1.212 ALPHA (2) = -6.591 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000 .2245 .2940
 .020 -.7593
 .030 -.1521
 .040 -.1208
 .050 -.7665
 .065 -.1467
 .150 -.3949
 .177 -.0628
 .250 -.4083

1A70 O1 T12 S1 P2 P10

WING LOWER SURFACE

(RF7L68)

MACH (1) = 1.212 ALPHA (2) = -6.591

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.274	-.0710
.402	-.0566
.565	.0104
.650	-.0214
.750	-.1655
.760	-.3226
.806	-.4911
.850	-.3169
.857	-.5907
.905	-.6759
.950	-.4624
.953	-.5230

MACH (1) = 1.212 ALPHA (3) = -4.411 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

ZY/B .4360 .7710

X/C

.000	.3570	.3729
.020		-.6812
.030	.0004	
.048	-.0106	
.050		-.6941
.065	-.0540	
.150		-.3031
.177	-.0320	
.250		-.2230
.274	-.0160	
.402	.0236	
.565	.0626	
.650		.0222
.750		-.1272
.760	-.2953	
.806	-.4662	
.850		-.3009
.857	-.5731	
.905	-.6622	
.950		-.4537
.953	-.5163	

1A70 O1 T12 S1 P2 P10 WING LOWER SURFACE (RF7L60)

MACH (1) = 1.223 ALPHA (4) = -2.190 RUN = 147,000 RN/L = 7.125 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.3949	.4628
.020		-.5600
.030	.0990	
.048	.0770	
.050		-.5365
.085	.0082	
.150		-.1219
.177	.0363	
.250		-.1435
.274	.0144	
.402	.0762	
.565	.1345	
.650		.0450
.750		-.1120
.760	-.2651	
.808	-.4417	
.850		-.2974
.857	-.5560	
.905	-.6509	
.950		-.4511
.953	-.6082	

MACH (1) = 1.223 ALPHA (5) = .015 RUN = 147,000 RN/L = 7.125 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.000	.4217	.5286
.020		-.3746
.030	.1736	
.048	.1548	
.050		-.2466
.085	.0776	
.150		-.0594
.177	.0848	
.250		.0103
.274	.0521	
.402	.1255	
.565	.1033	
.650		.0439
.750		-.1098
.760	-.2388	
.808	-.4190	

1A70 O1 T12 S1 P2 P10

WING LOWER SURFACE

(RF7L66)

MACH (1) = 1.225 ALPHA (5) = .015

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.850 -.3014

.857 -.5420

.905 -.6417

.950 -.4561

.953 -.6885

MACH (1) = 1.225 ALPHA (6) = 2.237 RUN = 147.000 RNL = 7.125 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

Z1/B .4360 .7710

X/C

.000 .4151 .5630

.020 -.0716

.030 .2446

.046 .2217

.050 -.0106

.065 .1346

.150 .0169

.177 .1246

.250 .2834

.274 .1096

.402 .1477

.565 .2132

.650 .0272

.750 -.1164

.760 -.2302

.806 -.4154

.850 -.3071

.857 -.5436

.905 -.6470

.950 -.4623

.953 -.7056

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1A70 O1 T12 S1 P2 P10 WING LOWER SURFACE (RF7L68)

MACH (1) = 1.210 ALPHA (7) = 4.432 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3765	.5929
.020		.2200
.030	.3379	
.040	.3027	
.050		.2054
.065	.2194	
.150		.1341
.177	.1638	
.250		.2806
.274	.1482	
.402	.2037	
.565	.2082	
.650		.0214
.750		-.1213
.760	-.2467	
.808	-.4315	
.850		-.3156
.857	-.5593	
.905	-.6612	
.950		-.4720
.953	-.6015	

MACH (1) = 1.203 ALPHA (6) = 6.849 RUN = 147.000 RN/L = 7.125 BETA = .000

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP

2Y/B .4360 .7710

X/C

.000	.3306	.6142
.020		.4297
.030	.3635	
.040	.3497	
.050		.3767
.065	.2764	
.150		.1660
.177	.2056	
.250		.3221
.274	.1956	
.402	.2286	
.565	.2074	
.650		.0270
.750		-.1191
.760	-.2527	
.808	-.4356	

1A7D Q1 T12 S1 P2 P10

WING LOWER SURFACE

(RF7L68)

MACH (1) = 1.203 ALPHA (8) = 6.849

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

Zy/B .4360 .7710

X/C

.650 -.3171

.657 -.5633

.905 -.6636

.950 -.4737

.953 -.5170